ONONDAGA LAKE NYD986913580

OU: 00

8.0 GENERAL ENFORCEMENT

8.1.2 PRP Specific Info and Correspondence General Super Plating Co., Inc.

No. 1 -

0000026073

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COUNSEL

October 11, 1996

VIA FEDERAL EXPRESS

William Little, Esq. NYS DEC/Onondaga Lake Enf. Proj. 50 Wolf Road Albany, NY 12233

Re: Joint Request for Information/Onondaga Lake

Our Client: General Super Plating Co., Inc. (GSP)

Dear Mr. Little:

Consistent with my numerous telephone conversations with you and correspondence I am forwarding here the Response of General Super Plating Co., Inc. (GSP) to the joint US EPA/NYS DEC Request for Information regarding Onondaga Lake.

You will note that we have indicated additional information and/or documentation is available upon your request. I will await further communications from you in this regard.

Thank you for your courtesies in granting various extensions for our Response.

Very truly yours,

HANCOCK & ESTABROOK, LLP

orien a. Simmons/sm

Doreen A. Simmons

DAS/slm

cc: M

Mr. William Daigle, P.E./NYS DEC - Chief, Special Projects Section

Mr. Herbert H. King/US EPA - Remedial Projects Manager

Albert DiBernardo, P.E./TAMS Consultants, Inc. George A. Shanahan, Esq./US EPA (w/o enclosures)

Mr. William Southwell, General Super Plating Co., Inc. (w/enclosures)

RESPONSE OF GENERAL SUPERPLATING CO., INC. ("GSP") to JOINT SECTION 104(e) REQUEST OF US/EPA AND NYS/DEC RE: ONONDAGA LAKE

GSP, upon information and belief, submits the following responses to the Joint Request for Information, as regarding Onondaga Lake:

REQUEST NO. 1

- 1. a. State the correct legal name and address of your company.
 - b. Identify the state of incorporation of your company and your company's agent for service of process in the state of incorporation and in New York.

RESPONSE NO. 1

- a. General Superplating Co., Inc.
 5762 Celi Drive
 East Syracuse, New York 13057
 (A new address number was assigned by the United States Postal Service in January of 1995 to this facility. Prior to that time, the address for the facility was "22 Celi Drive").
 - Incorporation New York
 Agent for Service Company/Secretary of State

REQUEST NO. 2

2. State the name(s) and address(es) of the President, the Chairman of the Board and the Chief Executive Officer of your company.

RESPONSE NO. 2

President - Thomas Gerhardt
 c/o GSP
 5762 Celi Drive
 East Syracuse, NY 13057

Chair-CEO - Herbert N. Gerhardt, Jr., c/o GSP 5762 Celi Drive East Syracuse, NY 13057

REQUEST NO. 3

3. If your company is a subsidiary or affiliate of another corporation, or has subsidiaries, identify each such entity and its relationship to the company, and state the name(s) and address(es) of each such entity's President, Chairman of the Board and Chief Executive Officer.

RESPONSE NO. 3

3. Not Applicable.

REQUEST NO. 4

4. List all of your facilities which generated, handled, transported, treated, stored or disposed of hazardous substances, hazardous wastes, or industrial wastes which are, or were formerly, located within fifty miles of any point along the shoreline of Onondaga Lake. For each such facility, state its name and address, and period of operation, Please identify any of your facilities that are no longer in operation within this area. Please note the SIC code and EPA RCRA ID number of all facilities, if such have been assigned. Please include a facility location map and a map of the facility itself.

RESPONSE NO. 4

4. A. Celi Drive facility

5762 Celi Drive East Syracuse, NY 13057 (Previously known at "22 Celi Drive" at same location)

In operation from approximately 1980 to present SIC Code - 3471
EPA I.D. No. NYD982721656
Location Map - See Exhibit 4A
Facility Map - See Exhibit 4A-1

B. **Joy Road facility** 6606 Joy Road

East Syracuse, NY 13057

In operation periodically from approximately 1987 to 1992 SIC Code - 3471 EPA I.D. No. NYD981182538 Location/Facility map - Exhibit 4B

C. Joy Road (Adhesive) facility

6608 Joy Road East Syracuse, New York 13057

In operation from approximately 1986 to 1990

SIC Code - 3471

EPA I.D. No. NYD981568264

Facility Map - None currently available (adjacent to Joy Road Facility).

Note: For a brief period in 1986, GSP operated a small adhesive pilot plant on Oliva Drive in East Syracuse as a prototype for the Joy Road Adhesive facility. No waste was generated by the pilot plant.

D. Bridge Street facility

5781 Bridge Street
East Syracuse, New York 13057

In operation from approximately 1963 to 1983 (facility was phased out from 1980-1983)

SIC Code - 3471

EPA I.D. No. NYD002242501

Facility location map - Exhibit 4A

Note: In 1979 a major fire at this facility destroyed all records.

REQUEST NO. 5

5. Indicate the nature of the operation for each facility identified in Question 4 above. If the operations changed, indicate the nature of those changes (including any name changes) and the dates the changes took place.

RESPONSE NO. 5

5. The general nature of operations at each facility

As to Celi Drive facility, Joy Road facility and Bridge Street facility - metal finishing

on plastic and metal substrates.

As to Joy Road (Adhesive) facility - application of adhesives on metal components.

REQUEST NO. 6

6. For each facility identified in your response to Question 4 above, provide a detailed process/mechanical description of the processes used, the wastes generated from such processes, and the volume or weight of such wastes. If the process and/or waste stream changed, indicate the nature of the changes (including volumes) and the dates the changes took place. For each such waste stream provide any analyses that you have of the chemical composition of the waste stream.

RESPONSE NO. 6

6. A. As for descriptions of processes which generate or generated waste at the Celi Drive facility

Process	Approximate Period of Operation	Process Description	<u>Waste</u> <u>Generated</u>
Plastics Line	1980 to present	The plastics plating line consists of surface preparation, activation, electroless plating and electroplating steps. Surface preparation and activation involves etching of the plastic surface, providing sites for adhesion of the subsequent coating and catalytic deposition of a layer of metal enabling electrolytic deposition (electroless plating) of a metallic coating.	F001, F006, F007

Process	Approximate Period <u>of</u> <u>Operation</u>	Process Description	<u>Waste</u> <u>Generated</u>
Metals #1 (Job Shop) Line	1983 to present	Phosphate Process: This process deposits an immersion coating of zinc phosphate onto steel substrates. Anodizing Process: The anodizing process coverts the surface of aluminum substrate into a dyeable corrosion and abrasion resistant aluminum oxide coating for both functional and decorative purposes. Miscellaneous Metals Processes: These processes are associated with electrodepositon on metal substrates.	F006
Metals #2 Line	1988 to present	This is a fully automated, dedicated plating line where materials are used to prepare a stainless steel stamping for a subsequent metal plate.	F001, F003, F005, F006, F007
Shielding Line	1983 to 1993 (intermittent)	The shielding line consists of surface preparation, activation and electroless plating. Surface preparation and activation involves etching of the plastic surface, providing sites for adhesion of the subsequent coating and catalytic deposition of a layer of metal enabling electrolytic deposition (electroless plating).	F006
Barrel Zn Plating Line	1983 to 1988	The zinc barrel line consists of cleaners, activators and plating solutions designed to bulk zinc plate metal parts.	F006

Process	Approximate Period <u>of</u> <u>Operation</u>	Process Description	<u>Waste</u> <u>Generated</u>
Ni Barrel Line	1992 to present	The barrel nickel process consists of cleaners, activators and plating solutions designed to bulk nickel plate metal parts.	F006 Note: This is a closed loop line (no discharge).

As to nature and quantity of waste generated (approximate) at the Celi Drive facility

Waste	Approx. Annual Vol./Tons (1983 to 1996)	Transporter/Disposal Facility
Plating Sludge (F006; currently reclaimed)	81	Not applicable (none within 50 miles of Onondaga Lake)
Spent Gold Resin (F007; reclaimed)	.5	Not applicable
Spent degreaser (F001, F002)	10	Solvents & Petroleum Services, Inc. Syracuse, New York
Spent Gold Bath (D003)	<.05	Not applicable.

Industrial recycled materials

<u>Waste</u>	Approx. Annual Vol./Gallons	Transporter/Disposal Facility
Spent Strip (from Ni Barrel Line)	660 Gallons	None ·

See Exhibit 6A - Representative manifests/Celi Drive facility.

B. As for descriptions of processes which generated waste at the Joy Road facility

<u>Process</u>	Approximate Period of Operation	Process Descriptions	Waste Generated
Shielding Line	1987 - 1989 1990 - 1992	See above, same as Celi Drive Facility	F006 D001 D002 D007
Ni Plating Line	1989-1990	This process consists of cleaners, activators and plating solutions used to deposit a layer of nickel on metallic substrates.	F006

As to nature and quantity of waste generated (approximate) at the Joy Road facility

Hazardous Waste

Waste	Approx. Annual Vol./Tons 1988 to 1992	Transporter/Disposal Facility
Plating Sludge (F006)	7 Tons	Not applicable
Miscellaneous Waste (D001)	.5 Tons	Not applicable
Spent Bath (D002)	6 Tons	Not applicable
Spent Bath (D007)	18 Tons	Not applicable

See Exhibit 6B Representative Manifest/Joy Road facility.

C. As for descriptions of processes which generated waste at the Joy Road (Adhesive) facility

Process	Approximate Period of Operation	Process Descriptions	Waste Generated
Adhesive Line	1986 - 1990	Spray application of adhesive on metal components	D001 F002 F005

As to nature and volume of waste generated by processes at the Joy Road (Adhesive) facility

Hazardous Waste

<u>Waste</u>	Approx. Annual Vol./Tons 1986 to 1990	Transporter/Disposal Facility
Spent Wash (F002)	1.8	Solvents & Petroleum Services, Inc. Syracuse, New York
(D001; related to facility shutdown)	1.2	Not applicable.
(F005; related to facility shutdown)	.1	Not applicable.

D. As for descriptions of processes which generated waste at the **Bridge Street** facility

<u>Process</u>	Approximate Period of Operation	Process Descriptions
Plastics Line	1964 - 1980	The Plastics plating line consists of surface preparation, activation, electroless plating and electroplating steps. Surface preparation and activation involves etching of the plastic surface, providing sites for adhesion of the subsequent coating and catalytic deposition of a layer of metal (electroless Plating) enabling electrolytic deposition of a metallic coating.
Metals Line (Job shop)	1963 - 1983 (Intermittent)	Miscellaneous plating processes that are associated with electrode deposition on metal substrate.
Zn Barrel Line	1965-1983	The zinc barrel line consists of cleaners, activators and plating solutions designed to bulk zinc plate a variety of metal parts.
Zn Rack Line	1964 - 1983	The zinc plating line consists of cleaners, activators and plating solutions designed to rack plate zinc on a variety of metal parts.

Note: No records of any waste generation exists. (See Note in Response 4D).

Note: As to the above facilities, only Transporter/Disposal Facilities within 50 miles of Onondaga Lake are provided. There were sporadic transportations off-site of "off spec" raw materials and maintenance related waste to out of state facilities. Manifests available upon request.

See also Response 10 as to discharges to the Onondaga County Department of Drainage and Sanitation (OCDDS).

REQUEST NO. 7

7. Explain in detail the manner of transportation or disposal of the hazardous wastes, hazardous substances and industrial wastes generated, handled, treated or stored at the facilities identified in your response to Question 4 above. Provide a separate response for

each facility identified in your answer to Question 4 above.

RESPONSE NO. 7

7. See Response 6.

REQUEST NO. 8

8. For each type of hazardous waste, hazardous substance, and industrial waste material listed above, provide the names and addresses of all transporters and disposal facilities used, and state when each transporter and disposal facility was used. Please identify the total volume or weight of such material that was transported by that entity or individual to each such disposal facility.

RESPONSE NO. 8

8. See Response 6.

REQUEST NO. 9

- 9. State whether any hazardous substance, hazardous waste or industrial waste, as those terms are defined in Instructions 12-14, was ever released or discharged into the environment at your facility. For purposes of this request, the term "discharged into the environment" means an intentional or accidental release to any and all environmental media, including soil, groundwater, surface water, sediments, and air. If yes, provide the following information:
 - a. If this was a continuous or intermittent practice or event, identify the period of time during which this practice or event occurred, the hazardous substances, hazardous wastes, and industrial wastes released or discharged, and the quantities that were released or discharged and to where they were discharged. (In addition to a description of the discharge location, the discharge location should be shown on a map of the area and enclosed with your reply).
 - b. If there was no continuous or intermittent practice or event of release or discharge, specify the date of each incident, the hazardous substances, hazardous wastes, and industrial wastes, and the quantities that were released or discharged.
 - c. If any of the hazardous substances, hazardous wastes, or industrial wastes

released would have entered either directly or indirectly (<u>e.g.</u> through surface runoff or groundwater migration) into Onondaga Lake or its tributaries, please provide the path of release.

d. Provide all data summarizing the results of laboratory analyses, as well as all data acquired in the field, from soil, sediment, groundwater, surface water, air and biota samples collected on or adjacent to each facility to assess the extent of contamination. Clearly indicate the sample locations on a site map.

RESPONSE NO. 9

9. Celi Drive facility

As to Air Permits (current) - see Exhibit 9A.

Note: GSP is anticipating new Air Permits to be issued within 90 days, based on applications submitted which will be made available upon request.

Joy Road facility

As to Air Permits (prior; facility no longer in operation) - see Exhibit 9B.

In May of 1988 GSP responded to a suspected chromium solution discharge (determined to be the result of a defective floor line in the containment system) by reporting the incident to the New York State Department of Environmental Conservation and retaining a consultant to immediately investigate and remediate any residual contamination. The facility had only been in operation for several months prior to the suspected discharge. See report of Blasland & Bouck Engineers, P.C. (August 1993) attached here as Exhibit 9B-1.

- (a) See Exhibit 9B-1
- (b) See Exhibit 9B-1
- (c) There is no reason to believe that chromium or any other hazardous substance would have entered Onondaga Lake or its tributaries.
- (d) See Exhibit 9B-1

Also, two minor spill incidents occurred during the operation of the Joy Road facility - 1) during the removal of a spent bath solution the transporter discharged onto the facility parking lot approximately 50 gallons of solution which was immediately remediated by the transporter (approximately 1988) and 2) a person was changing oil and spilled less than 5 gallons of waste (auto) oil near the facility which was immediately remediated (1992).

Joy Road (Adhesive) facility

As to Air Permits - see Exhibit 9C

Note: See also Response 10 as to discharges to the Onondaga County Department of Drainage and Sanitation (OCDDS). Retained SARA Title III/Form R's available upon request.

REQUEST NO. 10

- 10. Was any of the material described in your response to Question 9 treated prior to direct discharge into the Lake or its tributaries, or pretreated prior to discharge into a municipal sewerage system which discharges to the Lake or a tributary to the Lake? If so:
 - a. describe the treatment or pretreatment process and capacity and whether discharges were continuous or intermittent;
 - b. the years during which treatment or pretreatment occurred, including date treatment or pretreatment began, and whether discharges continue or date of cessation of discharges if discontinued;
 - c. the quantities of influent waste treated or pretreated;
 - d. the quantities and composition (chemical analysis) of treated or pretreated material discharged;
 - e. whether the material was discharged directly into the Onondaga Lake, a tributary of the Lake or into a municipal sewerage system which discharges to the Lake or a tributary of the Lake;
 - f. how you disposed of any sludges or residues generated by the treatment or pretreatment process; and
 - g. provide the location of discharge and, if applicable, the name of municipal sewerage system to which discharge was made.

RESPONSE NO. 10

10. Not applicable except as to discharges to the OCDDS which may have treated and then discharged to Onondaga Lake.

A. Celi Drive facility

See Exhibit 10A - Permit(s)

- a. See Exhibit 10A. In general, pretreatment consists of chrome reduction and conventional hydroxide precipitation with occasional (as needed) cyanide destruction.
- b. During all years of operation
- c. See (d) below.
- d. See Representative monitoring reports Exhibit 10A-1; since 1992 approximately 20,000,000 gallons/year of **total** waste water. Additional reports available upon request.
- e. Discharge to OCDDS only See Exhibit 10A-1
- f. See Response 6
- g. See Exhibit 10A

B. Joy Road facility

See Exhibit 10B - Permit(s).

- a. See Exhibit 10B. In general, pretreatment consisted of chrome reduction and conventional hydroxide precipitation.
- b. During all years of operation
- c. See (d) below and Exhibit 9B
- d. Representative monitoring reports attached as Exhibit 10B-1; 1992/1993 approximately 2,650,000 gallons/year of **total** wastewater.
- e. Discharge to OCDDS only See Exhibit 10B
- f. See Response 6
- g. See Exhibit 10B

C. Joy Road Adhesive facility.

See Exhibit 10C - Permit

- a. See Exhibit 10C pH monitoring only
- b. Not applicable
- c. Unknown
- d. None now known
- e. Discharge to OCDDS only See Exhibit 10C
- f. See Response 6
- g. See Exhibit 10C

D. Bridge Street facility

Process effluent was discharged to OCDDS. Specific details of discharge unknown. No known pretreatment, besides cyanide destruct. No records exist. See **Note** in Response 4D.

REQUEST NO. 11

11. Identify all persons and other entities, including yourself, who determined how to treat, store, and/or dispose of hazardous wastes, hazardous substances, and industrial wastes generated at the facility. Provide the names and current addresses of all individuals who participated in such determinations.

RESPONSE NO. 11

11. Generally William W. Southwell (c/o GSP), following recommendations of consultants and persons under his supervision (prior to Mr. Southwell - Scott Greenleaf).

REQUEST NO. 12

12. Identify all of the sources of the information contained in your answers to questions 6-11. Provide copies of all documents that relate to your answers including, but not limited to invoices, manifests, hazardous substances, hazardous and industrial waste data and analyses or characterizations and contracts, or agreements with transporting, treatment, storage or disposal facilities.

RESPONSE NO. 12

12. Documents generally referenced to respond to these requests are attached as Exhibits to this Response or noted as available upon request.

REQUEST NO. 13

13. Provide copies of applications for Refuse Act Permit Program, National Pollutant Discharge Elimination System Permits, State Pollutant Discharge Elimination System Permits, and Onondaga County Department of Drainage and Sanitation Permits, including any waste analyses or characterization submitted with such applications. Provide copies of all permits and all amendments to said permits. Provide copies of all Notices of Violations, or administrative or judicial complaints, concerning such discharges submitted or filed by federal, state, county or municipal governments and their regulatory agencies as well as copies of all judicial complaints filed by other persons (including corporate or partnership entities or public interest groups).

RESPONSE NO. 13

13. No known formal applications. Periodic correspondences relative to permit modifications available upon request. See Response 10.

As to Notices of Violation

See Exhibit 13A - Administrative Orders (executed by GSP in compromise of Notices and Orders; all actual notices available upon request).

See Exhibit 13A-1 - summary of NOV violations 1988 to 1994.

REQUEST NO. 14

14. Identify any current or previous insurance policies that may indemnify you or your company against any liability that you or any entity may incur in connection with the release of any hazardous substances and/or hazardous wastes at the Site. Please provide a copy of the policy. For any policy that you cannot locate or obtain, provide the name of the carrier, years in effect, nature and extent of coverage, and any other relevant information you have.

RESPONSE NO. 14

14.

Policy period	Policy No.	Insurance Carrier
1979-1980 1980-1984 1984-1985 1985-1987	BOP 866 42 95 BOP 878 83 32 BOP 878 84 08 BOP 887 72 09	Home Insurance Company 2 Clinton Square Syracuse, NY 13202
1987-1988 1988-1989 1989-1990	052 SM 1137035 052 GL 5285110 052 GL 5526239	Aetna Claims P.O. Box 22986 Rochester, NY 14692-2986
1990-1992 1992-1994 1994-1995	CDO 993 21 96 CDO 993 21 69 GL 301 24 74	AIG, New Hampshire/Granite State 100 Great Oak Office Park 2nd Floor Albany, NY 12203

GSP is continuing its investigation as to insurance policies.

REQUEST NO. 15

15. Supply any additional information that may be used to identify additional sources of information or parties involved with the Site.

RESPONSE NO. 15

15. None known.

REQUEST NO. 16

16. State the name, title, and address of each individual who assisted or was consulted in the preparation of the response to this "Request for Information" and specify the question to which each person assisted in responding.

RESPONSE NO. 16

16. William W. Southwell Vice President/General Manager

Jean Jodoin Environmental Engineer

Scott Greenleaf Vice President Robert Besanson . . Service Supervisor

Herbert N. Gearhardt Chairman

> All c/o General Super Plating Co., Inc. 5762 Celi Drive East Syracuse, NY 13057

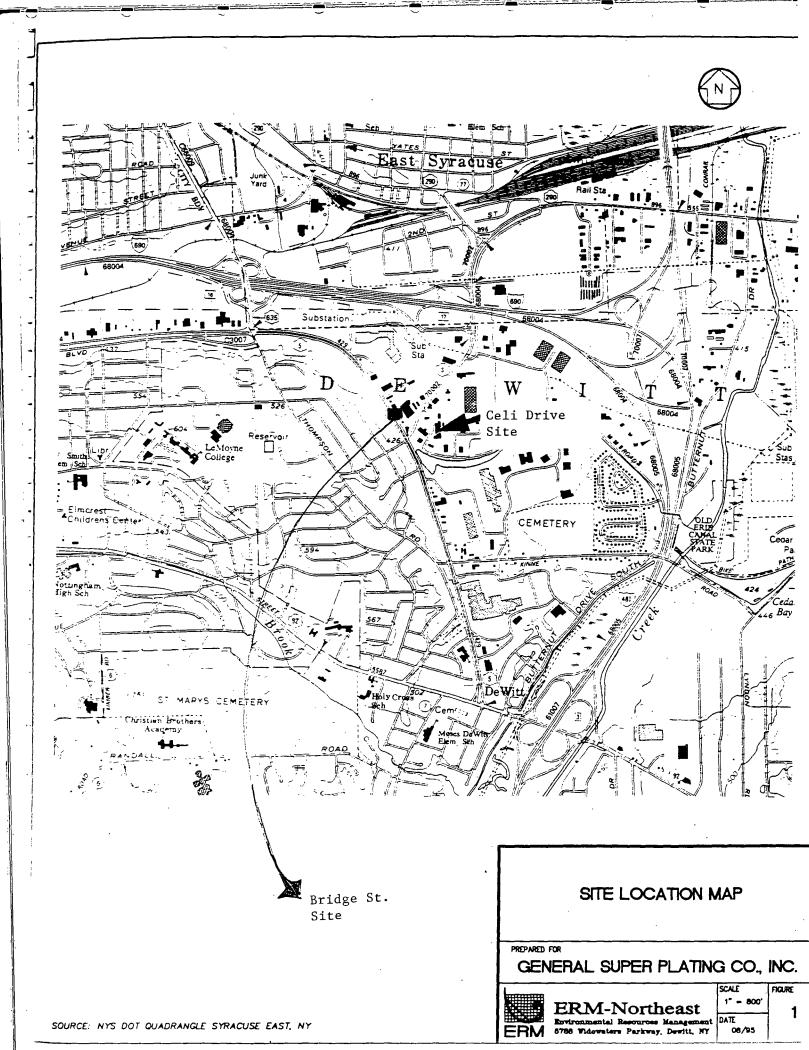
Assisted by counsel -

Doreen A. Simmons, Esq. Hancock & Estabrook, LLP 1500 MONY Tower I P.O. Box 4976 Syracuse, NY 13221-4976

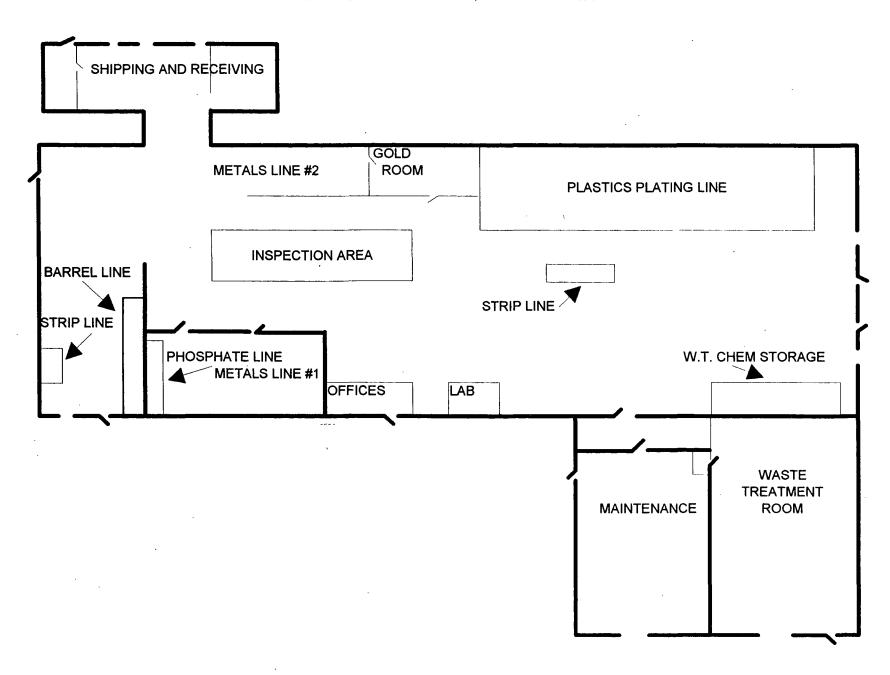
INDEX TO EXHIBITS

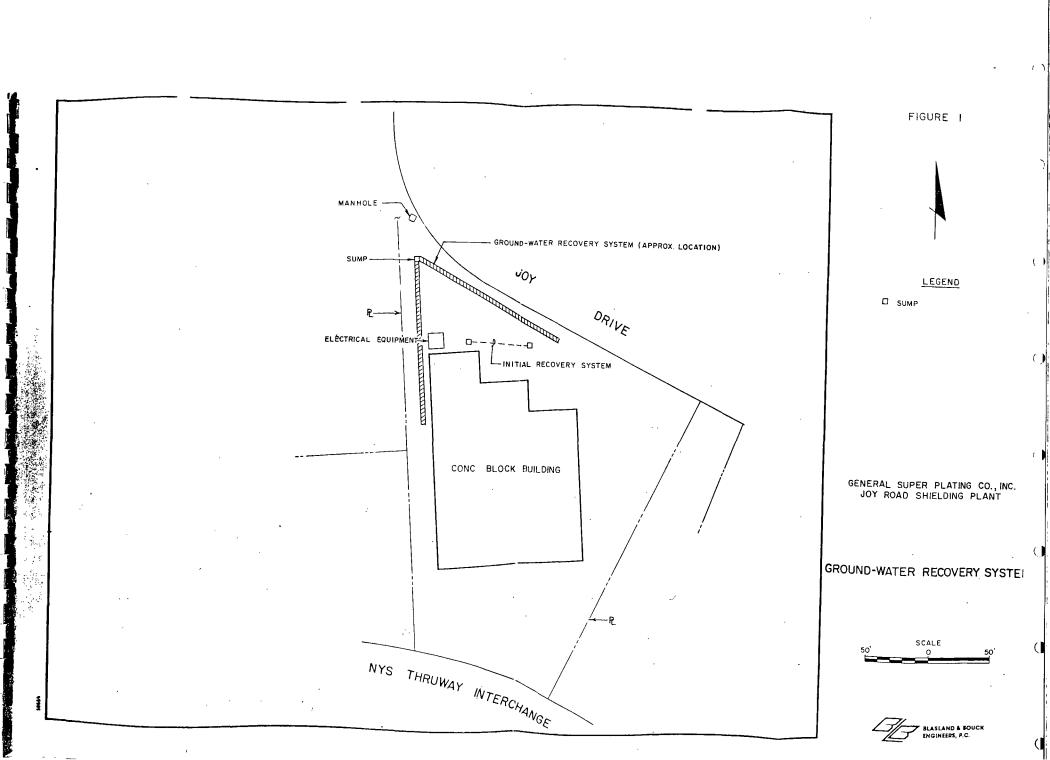
Response of GSP to Joint Request dated October 10, 1996

EXHIBIT	ITEM
4A	Facility location map (Celi Drive Facility)
4A-1	Plant lay out (Celi Drive Facility)
4B.	Facility location map (Joy Road Facility)
6A	Representative hazardous waste manifests - Celi Drive Facility
6B	Representative hazardous waste manifest - Joy Road Facility
9A	Air Permit (Celi Drive Facility)
9B	Air Permit (Joy Road Facility)
9B-1	Consultant Report - (Joy Road Facility; August 1993)
9C	Air Permit (Joy Road Adhesive Facility)
10A	Municipal sewage system (OCDDS) permit (Celi Drive Facility)
10A-1	Representative monitoring reports (Celi Drive Facility)
10B	OCDDS permit - Joy Road Facility
10B-1	Representative monitoring reports - Joy Road Facility
10C	OCDDS permit - Joy Road Adhesive Facility
13A	Administrative Orders (OCDDS)
13A-1	Representative Chart/NOVs



GENERAL SUPER PLATING PLANT LAY OUT





In case of an unergency or spill innrediately call the National Response Center (800) 424-8802 and the PA DER (717) 787-4343

GENERATOR

TRANSPORTER

FACILITY

PENNSY: ANIA DEPARTMENT OF ENVIRCHMENTAL RESCORCES
Bureau of Waste Management
P. O. Box 2063
Harrisburg, PA 17120

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

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22 Celi Drive, B. Syracuse, New			B. St	ate Gen	. ID				
4. Generator's Phone (315) 446-2264				same					
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11. US DOT Description (Including Proper Shipping Name, Hazard Class,	and ID Number)	12. Conta	Type	a	13. Total uantity		14. Unit Wt/Vol	Wast	e No.
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J. Additional Descriptions for Materials Listed Above (include physical sta	ate and hazard code)		K. Han	dlina Co	des for	Wast	es Liste	d Above	
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HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Form Approved: OMB No. 2050-0039. Expires 9-30-91

.	WASTE MANIFEST Generator's US EPA No. Waste Manifest Document No. Waste
	3. Generator's Name and Mailing Address GENERAL SUPER PLATING NY B 181939 5
٠.	22 CELI DRIVE E. SYRACUSE, N.Y. 13057 4. Generator's Phone (315) 446-2264 B. Generator's ID SAME
	5. Transporter 1 (Company Name) 6. US EPA ID Number C. State Transporter's ID / 2.844/
	SOL VENTS & PETRULEUM SERVICE INC. N M D () 1 3 3 7 7 4 5 4 0. Transporter's Phone (315) 454-4467
	7. Transporter 2 (Company Name) 8. US EPA ID Number E. State Transporter's ID
	9 Designated Facility Name and Site Address 10. US EPA ID Number G. State Facility's ID
	SOLVENTS & PETROLEUM SERVICE INC.
	1405 BREWERTON RD. SYRACUSE H.Y. 13208 Y Y D Q 1 3 1 7 7 4 3 4 319 454-4467
	11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) 12. Gontainers 13. 14. Total Unit No. Type Quantity WtVoli Waste No.
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	J. Additional Descriptions for Materials listed Above K. Handling Codes for Wastes Listed Above
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Ì	15. Special Handling Instructions and Additional Information
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	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
	If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR if I am a small generator, I have made a good faith enfort to minimize my waste and select the pest waste management method that is available.
1	to me and that I can arford. PrintedTyped Name Mo. Day Year Mo. Day Year
-	ROBERT E KEIL COLOR GO HOURS
:	17. Transporter 1 (Acknowledgement of Receipt of Materials)
	Printed/Typed Nama Car B Halawson To Signature Call The Various 10/385
)]	18. Fransporter 2 (Acknowledgement of Receipt of Materials)
	Printed/Typed Name Signature Mo. Day Year
	19. Discrepancy indication Space
!	
Ī	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
	Printed/Typed Name Signature Mo. Day Yea

AND CHEMOTHERAP TIC WASTE.

Form approved. OMB No. 2050-0039

ER-WM-51 REV. 1/91

repair minicuratery carr title Ivanional Response Center (800) 424-8802 and the PA DER (717) 787-4343

Expires 9-30-92

1	UNIFORM HAZARDOUS 1. Generator's US EPA ID N WASTE MANIFEST N Y D 9 8 1 1 0 2 5 3	Doc	Manifest cument No. U L	2. Page	is not re-	quired by Fe quired by Si	late law.
	3. Generator's Name and Mailing Address GENERAL SUPER PLATING CO. INC.,			A. State	AC 58	ment Numb	30
	oulo JOY RD, E SYRACUSE NY 13057			B. State	Gen. ID		
	4. Geherator's Phone (315) \$\frac{446}{2264}\$ 5. Transporter 1 Company Name 6.1	JS EPA ID Number		SAL	Trans. ID		
	, ,	O 9 2 3 2	7 4 5	1		0 2 7	3
		JS EPA ID Number		D. Tran	sporter's Phone	(11:1)1	79-5316
	9. Designated Facility Name and Site Address 10.	110 504 10 N b		E. State	Trans. ID		
	WRC Processing Company(Recycling Pacili	US EPA ID Number		<u></u>	sporter's Phone	()	
	Walnus Lane, RD#5, Box 5553			<u> </u>	Facility's ID		
	Postsville, PA 1790i PAD 9		ity's Phone(22-4747		
	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and	ners Type	13. Total Quantity	14. Unit Wt/Vol	l. Waste No.		
	* NON-HAZARDOUS WASTE, SOLID, FILTER CAKE	BAG	N/A ¿ ∪ ∵		0 0 - 0 0	3 4	N/A
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	J. Additional Descriptions for Materials Listed Above Lab Pack Physical State Lab Pack Ph	ysical State		K. Hand	ling Codes for V	Vastes Liste	d Above
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	ELEAGENCY COSTACT / (313) 446-1264						
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	18. 5.1(1) F TRANS JOK FEL - 2 NC); 20. Facility Owner or Operator: Certification of receipt of hazardous materia	Is covered by this m	anitest excen	t as note:	1 in Item 19		
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	WHITE REGIONAL OFFICE
	WHITE FIELD REP.
OCESS, EXHAUST OR VENTILATION SYSTEM	YELLOW - APPLICANT
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PROCESS, EXHAUST OR VENTILATION SYSTEM

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PROCESS, EXHAUST OR VENTILATION SYSTEM

	E serve	ANY QUESTION	AP	PLICATION	FOR PERM	AIT TO C	ONSTRU	CT OR	CERT	IFICAT	E TO OPER	ATE	•		•
s	1. NAME OF OWNER	/ FIRM			9 NAME OF A	UTHORIZED A	AGENT		. 10	. TELEPHO	ONE 19. FACILIT	Y NAME (IF DIFF	ERENT FROM	M OWNER / FIRM)	
E	GENERAL S		TING CO.	, INC.	11. NUMBER AI	ND STREET AC	DRESS							ATING CO	
7	22 CELI I	RIVE									22 CELI DRIVE 21. CITY TOWN VILLAGE				
,	EAST SYRA		N.Y.	13057	12 CITY - TOW	N - VILLAGE		13. STATE		14, ZIP	EAST	SYRACU	SE		22. ZIP 13057
0	6. OWNER CLASSIFICA	ATON		<u> </u>	15 NAME OF	PE OD ARCH	HECT	TIR NVS E		17, TELEPH	MATE		MBER 24	FLOOR NAME OF	NUMBER
\"	A COMMERCIAL	-	_	HOSPITAL RESIDENTIAL	i	PE OR ARCH RING APPLICAT	TON	16 N Y.S. F OR ARCHIT LICENSE N	ECT	H37	25 START	UP DATE 26.		UMBERS OF PLA	NS SUBMITTED
A	B INDUSTRIAL		TATIVE	8 TELEPHONE	18 SIGNATURE	A W R	IGA	46 I		922	9一意	907 YR	_	CERTIFICATE TO	OPERATE
			(315)	446-2264	4 APPLYING	FOR A PERMIT	TO CONSTR	JCT			A BMODIF	SOURCE	^ [NEW SOURCE	
S	29. EMISSION POINT ID	30 GROUND ELEVATION (FT.)	31 HEIGHT ABOVE STRUCTURES (FT.)	32 STACK 3 HEIGHT (FT)	3 INSIDE IMENSIONS (IN)	34 EXIT TEMP.(°F)	35 EXIT VEL (FT /SE	OCITY 36 RAT	EXIT FLO	W 37.	SOURCE	38. HRS / DAY	39 DAYS / YR	40 % OPERATED	
C. B	PPP	400	5	25	36	70	32.2	1	3649		1509	24	250	Winter Spring	Summer Fall
-	7,	. Metal	s Platin	g Room				2.	11	Pic	k-up Po	ints			
S E DESCRIBE C PROCESS OR UNIT 5															
c		7.						8	-			· · · · · ·			
F	EMISSION CONTROL	CONTROL	· MANUF	ACTURER'S NAM	AE AND MODEL	ишмеен 6		DISPOSA METHO	DAT	FE INSTAL	LED USEFUL	· ·			
S E C.	42	43 99 44		i-	<u>-</u>			45.	46.	/	47]			-
D	48.	49 50	· · ·		•			51	52		53.				
s	CALCULATIONS														
E	See atta	ached con	nputer po	oint out	and for	rms 76	-19-4	for i	ndiv	vidua	ıl calcu	lations.	Tot	als on t	his
17	form are	e sums of	individ	lual che	micals	from f	orm 76	-19-4	(9/8	31)	11 54	ORT	FORI	45,	
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^	114.	Chloride	115	<u>. 10.0 </u>	116	117	118, 119		120. 12	1 122	24)	12410-3	1210-3	126.	127 128
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A	I L				APPROVAL	167.	-61	THE ISSU	ID/OR A	DDITIONAL	E TO OPERATE		IT MAY BE R	EQUIRED PRIOR	
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LOCATION FACILITY / EMISSION POINT NEW YORK STATE 1 2 0 12 1 2 DE 5 1 2 1 0 1 DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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PROCESS, EXHAUST OR VENTILATION SYSTEM

I NAME OF OWNER/FIRM	9 NAME OF AUTHORIZED AGENT	O TELEPHONE	19 FACILITY NAME (IF DIFFERENT FROM OWNER/FIRM)
GENERAL SUPER PLATING COMPONY	,		General Super Plating Coupany
2 NUMBER AND STREET ADDRESS	II NUMBER AND STREET ADDRESS		20. FACILITY LOCATION (NUMBER AND STREET ADDRESS)
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22 CELI DRIVE 4 STATE 5 ZIP	12 CITY - TOWN - VILLAGE 13. STATE	14 ZIP	East Syrucuse, N. y. 13057
East Syracuse NY 13057	.}		23 BUILDING NAME OF NUMBER 24 FLOOR NAME OF NUMBER
6 OWNER CLASSIFICATION E STATE H HOSPITAL	15 NAME OF PE OR ARCHITECT 16.N YS PE.O. PREPARING APPLICATION ARCHITECT	17 TELEPHONE	MAIN 25 START UP DATE 26 DRAWING NUMBERS OF PLANS SUBMITTED
A COMMERCIAL C UTILITY F MUNICIPAL I RESIDENTIAL	LICENSE NO.		U 6 8
B X INDUSTRIAL D FEDERAL G EDUC INST J OTHER 7 NAME & TITLE OF OWNERS REPRESENTATIVE B TELEPHONE	18 SIGNATURE OF OWNERS REPRESENTATIVE OR AGE	NT WHEN	MO YR 27 PERMIT TO CONSTRUCT 28 CERTIFICATE TO DPERATE
JAYNE SWIFT 315-	APPLYING FOR A PERMIT TO CONSTRUCT	•	A NEW SOURCE A NEW SOURCE C ST EXISTING B MODIFICATION B MODIFICATION
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	HMENSIONS (IN) TEMP (°F) (FT/SEC) RATE (SOURCE 38 39 40 % OPERATION BY SEASON CODE HRS/DAY DAYS/YR Winter Spring Summer Fall
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11PE TONS/YR %5 TYPE THOUS	ANDS OF GALLONS /YR %S TYPE THOM	ISANDS OF CENT	R B1U/CF RULE RULE 153 154
Ipon completion of construction sign the statement listed below and forward to the app			ATURE OF AUTHORIZED REPRESENTATIVE OR AGENT DATE
THE PROCESS, EXHAUST OR VENTILATION SYSTEM HAS BEEN CONSTRUCTE SPECIFICATIONS AND IN CONFORMANCE WITH ALL PROVISIONS OF EXIST I	D AND WILL BE OPERATED IN ACCORDANCE WITH STA		yne F. Sent 48-91
156 LOCATION CODE 157 FACILITY ID. NO. 158. U.T. M (E) 159	U.T.M. (N.) 160 SIC NUMBER 161. DATE APPL.		ATE APPL REVIEWED 163 REVIEWED BY:
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PERMIT TO CONST	PROVAL 167 EEE 2 THIS IS NOT A	CERTIFICATE TO	PLICATION SHALL VOID THIS PERMIT OPERATE OPERATE
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PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERAT

	ANT QUESTION AT LEGATION			
	NAME OF OWNER/FIRM	9 NAME OF AUTHORIZED AGENT	TELEPHONE 19 FACILITY NAME (IF DIFFERENT F	
5	General Super Plating Company, Inc.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	General Super Platin	
E	2 NUMBER AND STREET ADDRESS	II NUMBER AND STREET ADDRESS	20. FACILITY LOCATION (NUMBER AND	D STREET ADDRESS)
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r	3 City-Town-VILLAGE 4 STATE 5 ZIP	12. CITY - TOWN - VILLAGE 13. STATE:	21 CITY-TOWN-VILLAGE	22 ZIP
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TH	on completion of construction sign the statement listed below and forward to the a E PROCESS, EXHAUST OR VENTIL ATION SYSTEM HAS BEEN CONSTRUCT	ED AND WILL BE OPERATED IN ACCORDANCE WITH STATE	ED STONATURE OF AUTHORIZED REPRESENTA	
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NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COPIES
WHITE ORIGINAL
GREEN DIVISION OF AIR
WHITE REGIONAL OFFICE
PINK FIELD REP
YELLOW APPLICANT

A ADD C CHANGE D DELETE READ INSTRUCTIONS CONTAINED IN FORM 76-11-12 BEFORE ANSWERING ANY QUESTION

PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION	FOR	PERMIT	TO	CONSTRUCT OR	CERTIFICATE	TO	OPERATI

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LOCATION FACILITY EMISSION POINT

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DEPARTMENT OF ENVIRONMENTAL CONSERVATION D. COPIES
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WHITE : REGIONAL OFFICE
PINK : FIELD REP :
YELLOW APPLICANT

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READ INSTRUCTIONS CONTAINED IN FORM 76-11-12 BEFORE ANSWERING

PROCESS, EXHAUST OR VENTIL ATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

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,	EMISSON CONTROL TYPE MANUFACTURER'S NAME AND MODEL NUMB	ER.	DISPOSAL DATE INSTALLED METHOD MONTH / YEAR		
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	calculations 16 lbs of sludge collected during one weeks unjoin	O hrak			
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NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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GREEN - DIVISION OF AIR
WHITE - REGIONAL OFFICE
FINK - FIELD REP
YFLLOW - APPLICANT

A ADD C CHANGE D DELETE READ INSTRUCTIONS CONTAINED IN FORM 76-11-12 BEFORE ANSWERING

PROCESS, EXHAUST OR VENTILATION SYSTEM

APPLICATION FOR PERMIT TO CONSTRUCT OR CERTIFICATE TO OPERATE

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NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

COPIES
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GREEN INVISION OF AIR
WHITE REGIONAL OFFICE
PINK FIELD REP
YFLLOW- APPLICANT

A ADD C CHANGE D DELETE

76-19-3 (9/81)

READ INSTRUCTIONS CONTAINED IN FORM 76 -11 - 12 BEFORE ANSWERING ANY QUESTION

PROCESS, EXHAUST OR VENTILATION SYSTEM

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Status of the General Super Plating Joy Road Plant Ground-Water Recovery and Treatment System

General Super Plating East Syracuse, NY

August 1993

BLASLAND & BOUCK ENGINEERS, P.C. BLASLAND, BOUCK & LEE ENGINEERS & SCIENTISTS

> 6723 Towpath Road Syracuse, New York 13214 (315) 446-9120



Pursuant to New York State Department of Environmental Conservation's (NYSDEC) request following a meeting on May 5, 1993, this report has been prepared to further summarize and support the opinion of Blasland & Bouck Engineers, P.C. (Blasland & Bouck) that further remediation activities are unnecessary at General Super Plating's (GSP) Joy Road Facility (see also letter of March 29, 1993, attached here as Attachment 1).

Background

In May 1988, GSP responded to a suspected chromium solution discharge (determined to be the result of a defective floor lining within the containment area) by promptly reporting the incident to the NYSDEC (Region 7) and retaining Blasland & Bouck as its consultants. Initially GSP installed four well points inside the building and began pumping water from the well points to the facility's existing wastewater treatment system. This was done with the consent and knowledge of NYSDEC and the County of Onondaga (Department of Drainage and Sanitation).

Thereafter, Blasland & Bouck was retained to evaluate the extent of the release and to recommend remedial measures. A proposal was submitted to NYSDEC in June, 1988 in which Blasland & Bouck recommended a shallow subsurface investigation to qualitatively confirm the presence and extent of chromium solution in the subsurface environment. Because the plant had only been in operation for one year and the subsurface materials had a low hydraulic conductivity, NYSDEC was in agreement with Blasland & Bouck that the extent of the release was limited to the immediate vicinity of the GSP building. Since ground water was encountered at a depth of 1 to 3 feet below the ground surface, Blasland & Bouck, with concurrence of Mr. McPeck of NYSDEC, designed an investigation that focused on defining the impacts to ground water. A review of the ground-water/subsurface investigation (previously forwarded to the NYSDEC) is described below.

Ground-Water/Subsurface Investigation

A. Methodology

The location of each of the borehole sampling points is shown on Figure 1. Due to the location of ground water at a shallow depth of approximately 1 to 3 feet, it was possible to use a hand auger to complete the borings. Each boring was first drilled to a depth of 42 inches using a one-man power auger. A 3-inch diameter hand auger was then used to advance the boring until the water table was encountered. Approximately five minutes were allowed for ground water to flow into the boring. A teflon bailer was then lowered into the boring to obtain a sample. The ground water was then poured into a glass beaker where specific conductivity was measured. Specific conductivity had been selected as a qualitative measure of the presence of chromium due to correlations which can be made between chromium solution and conductivity. Previous to the investigation, Blasland & Bouck demonstrated to NYSDEC that a specific quantitative correlation exists between chromium concentration in ground water at the site and specific conductivity.



To prevent the potential for carry-over of chromium solution between borings, the power auger, hand auger, teflon bailer, and glass beaker were all cleaned between boreholes using a wash with soapy water followed by a distilled water rinse. The conductivity probe was thoroughly rinsed with distilled water between each sample. Polypropylene rope used to lower the teflon bailer into each boring was replaced at each location.

A grab sample of water was also collected from a manhole located in the northwest corner of the facility property and analyzed for specific conductivity (Figure 1). This manhole is part of an underdrain system which runs in a south to north direction along the west side of the facility property.

B. Results

The results were presented to NYSDEC in a letter report dated August 3, 1988. Only two borings, both located immediately adjacent to the building, showed indications of chromium, either by high conductivity (75,000 umhos) or visual observation. In general as the borings place further from the building had lower conductivity values than ones closer to the building. Figure 2 presents the spatial distribution of the conductivity measurements. The subsurface logs of the borings and field analysis data are presented in Table 1.

The source of the chromium was traced to a breach of the specially installed floor lining. As a result, remedial efforts included source control as well as ground-water recovery and treatment. Source control included the installation of new concrete curbs around the manufacturing and treatment areas. The new containment areas were then covered with an epoxy-vinyl ester coating. In order to ensure complete capture of any remaining dissolved chromium, Blasland & Bouck recommended a more extensive ground-water recovery system. The ground-water recovery system consisted of a 12-foot deep sump at the northwest corner of the property with two lateral drains. One drain was constructed along the west side of the building and one drain was constructed parallel to Joy Road. The location of the drains and sump are shown on Figure 3. The design and location of the system were a result of a direct discussion and approval of Mr. McPeck of NYSDEC. Both drains were constructed of 4-inch PVC drain pipe placed at a depth of 4 to 6 feet and surrounded by pea size gravel. Water was pumped from the sump to the GSP treatment plant. GSP completed construction of the interception system in September, 1988. In August 1989, GSP advised NYSDEC that it would continue to pump ground water from the sumps, treat the ground water in the facility's existing treatment system, and submit periodic data to NYSDEC as appropriate.

Evaluation of Alternative Remediation Technologies

Blasland & Bouck and GSP examined the feasibility of alternative technologies and remediation programs for addressing the ground-water quality concerns at the Joy Road facility. In general, it was determined that there were no usable alternatives to pump and treat.



Ground-water remediation technologies considered included: in situ demobilization of chromium through chemical injection; chemical stabilization using a trench backfilled with a filter material designed to react with the chrome in ground water so as to reduce its mobility; and a slurry bentonite cutoff wall. Insitu demobilization of chromium would require injection of pH control compounds and ionic solutions designed to form insoluble chromium salts. The deficiency with the technology was that the reaction was reversible and may permit chromium leaching in the future. Passive chemical prescription as ground-water flowed across an interception trench required diligent monitoring and could allow chromium-impacted water to escape beyond the trench. A soil-bentonite cutoff wall would not improve the performance of a ground-water extraction system and therefore was not considered further. In the final analysis, the ground-water pump and treatment system originally installed and enhanced offered the best technical solution insuring capture of contaminated ground-water removal of chromium from the environment, ease of operation, and monitoring and expediency.

Evaluation of Recovery System

GSP's rapid initial responses, combined with the floor replacement and modification of the containment system, eliminated the source of chromium solution to the subsurface. Because of the low hydraulic conductivity of the soils and the limited time of discharge (less than one year), all parties agreed that the movement of chromium solution away from the GSP building was extremely limited.

During April 1989, GSP evaluated the performance of the recovery system. Ground-water recovery rates fluctuated with the water table but the average recovery rate was between 4 to 5 gpm. The recovery system tests demonstrated its capability to operate within the reported maximum 15 gpm capacity of the recovery system pump. Highest observed rates of ground-water flow observed were approximately 12 gpm, indicating that the pumping system could effectively handle the maximum ground-water flow rate entering the collection laterals.

GSP has been collecting and analyzing ground-water samples from the recovery system. Confirmatory analyses have been conducted by Upstate Laboratories (Upstate) of Syracuse, New York (Upstate's recent analytical data is attached to this report). Various reports summarizing the recovery system performance were previously submitted to NYSDEC. A graph of the average monthly chromium concentrations measured by GSP since the initiation of ground-water recovery is shown on Figure 4. The confirmatory analysis conducted by Upstate plotted on Figure 4 shows good agreement with the GSP analyses.

As Figure 4 shows, the average monthly chromium concentration has decreased exponentially since the initiation of ground-water recovery. The initial chromium concentration was 21 mg/L. The average monthly chromium concentration is now 0.1 to 0.2 mg/L. This represents a 99 percent reduction in chromium concentration. Chromium concentrations have remained at this extremely low level for more than a year. Successful ground-water remediation programs often end when the concentration of the chemical of concern reaches a point when it is no longer technically feasible, prudent, or effective to continue the remediation (i.e. 0.1 - 0.05). Figure 4 shows that chromium concentrations have reached such an asymptotic position.



Studies by the Oak Ridge National Laboratory and others conclude that this leveling off indicates that further reductions of chromium concentration are not likely to be achieved (Doty, C.B. and Travis C.C. The Effectiveness of Groundwater Pumping as a Restoration Technique. Oak Ridge National Laboratory Report ORNL/TM-11866, May, 1991). It is our opinion, therefore, that continued operation of the ground-water recovery system will not result in any measurable improvement in ground-water quality. County data indicate that there are no water supply wells in the immediate area of the facility or other potential receptors of ground-water that may be at risk. Given these circumstances, we recommend permanently turning off the ground-water recovery system.

In conjunction with the termination of operation of the ground-water recovery system, we would propose to perform quarterly ground-water monitoring from the sump through July, 1995. At that time, if the data so warrants, we would propose to NYSDEC a reduced monitoring schedule. It has been confirmed by the outside laboratory (Upstate Laboratory) that all sample analyses will be performed using appropriate methodology to achieve a detection limit at or below the state ground-water standard for chromium. The analysis from each round of monitoring will be promptly forwarded to Mr. Steve Eidt of the NYSDEC upon receipt.

If after the systems operation has been terminated there are two consecutive monitoring periods in which chromium levels exceed 1 mg/L, then GSP would consider re-examining the status of the site, and evaluate remedial alternatives in conjunction with the Onondaga County Department of Drainage and Sanitation (OCDDS) and, if appropriate, install a ground-water extraction and treatment system acceptable to OCDDS.

Respectfully submitted,

Tyler E. Gass, C.P.G., PHg

ATTACHMENT 1



BLASLAND & BOUCK ENGINEERS, P.C.

ENGINEERS & GEOSCIENTISTS

6723 Towpath Road. Box 66. Syracuse. New York 13214-0066 (315) 446-9120 FAX: (315) 449-0017

March 29, 1993

Mr. Rodney Campbell Environmental Coordinator General Super Plating Co., Inc. 22 Celi Drive East Syracuse, New York 13057

Re:

Joy Road Plant

Ground-Water Recovery System

File:

300.07 #2

Dear Mr. Campbell:

The purpose of this letter is to provide a summary of the performance of the ground-water recovery system at the General Super Plating (GSP) Joy Road facility in East Syracuse, New York. Based upon the chromium concentration data collected in 1991 and 1992, we are recommending that the site has been effectively remediated and that the recovery system be permanently shut down.

Background

In May 1988, General Super Plating Co., Inc. (GSP) responded to a suspected chromium solution discharge (determined to be the result of a defective floor lining within the containment area) by reporting the incident to the New York State Department of Environmental Conservation (Region 7) (NYSDEC) and retaining Blasland & Bouck Engineers, P.C. (Blasland & Bouck) as its consultants. Initially GSP installed four well points inside the building and began pumping water from the well points to the facility's existing wastewater treatment system. This was done with the consent and knowledge of NYSDEC and the County of Onondaga (Department of Drainage and Sanitation).

Thereafter, Blasland & Bouck was retained to evaluate the extent of the release and to recommend remedial measures. A proposal was submitted to NYSDEC in June, 1988 in which Blasland & Bouck recommended a shallow interception

Mr. Rodney Campbell March 29, 1993 Page 2

trench along the north wall of the GSP building to limit the migration of dissolved chromium. GSP promptly installed a 2-to-3 foot deep interception trench adjacent to the parking lot and building. PVC drain pipe was placed in the trench and the trench was backfilled with granular material. A sump was constructed at each end of the interception trench and water from the trench was pumped to the GSP plant treatment system. The general location of the interception trench is shown on Figure 1.

As a follow up to the initial work and following discussions with NYSDEC, Blasland & Bouck conducted a qualitative assessment on the distribution of dissolved chromium in the subsurface and a well user survey. At the time the release was identified, the plant had been in operation for only one year. Because of the short operating time and the low hydraulic conductivity of the soils, it was reasonable to assume that the dissolved chromium was restricted to the immediate vicinity of the GSP building. The NYSDEC expressed agreement with this assumption.

In mid-June 1988, 10 hand-auger borings were placed around north and west of the GSP building. The borings were advanced to an average depth of 7 feet. Soil and water samples from the borings were visually described and the temperature, pH, and conductivity of the water in the boreholes were measured. The results were presented to NYSDEC in a letter report dated August 3, 1988. Only two borings, both located immediately adjacent to the building, showed indications of chromium, either by high conductivity (>5,000 umhos) or visual observation.

The chromium solution discharge was traced to a breach of a specially-installed floor lining. As a result, a new system was engineered by Blasland & Bouck and installed. New concrete curbs were installed around the manufacturing and treatment areas. The newly designed containment area was covered with an epoxy/vinyl ester coating.

In order to ensure complete capture of any remaining dissolved chromium, Blasland & Bouck recommended a more extensive ground-water recovery system. The ground-water recovery system consisted of a 12-foot deep sump at the northwest corner of the property with two lateral drains. One drain was constructed along the west side of the building and one drain was constructed parallel to Joy Road. The location of the drains and sump are shown on Figure 1. Both drains were constructed of 4-inch PVC drain pipe placed at a depth of 4-to-6 feet and surrounded by pea-gravel. Water was pumped from the sump to the GSP treatment plant. GSP completed construction of the interception system in September, 1988.

Mr. Rodney Campbell March 29, 1993 Page 3

In August 1989, GSP advised NYSDEC, that it would continue to pump ground water from the sumps, treat the ground water in the facility's existing treatment system, and submit periodic data to NYSDEC as appropriate.

Evaluation of Recovery System

GSP's rapid initial responses, combined with the modification of the containment system, eliminated the source of chromium solution to the subsurface. Because of the low hydraulic conductivity of the soils and the limited time of discharge (less than one year), the movement of chromium solution away from the GSP building was limited.

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As Figure 2 shows, the average monthly chromium concentration has decreased exponentially since the initiation of ground-water recovery. The initial chromium concentration was 21 mg/L. The average monthly chromium concentration is now 0.1 to 0.2 mg/L. This represents a 99 percent reduction in chromium concentration. Although the chromium concentration is above NYSDEC guidance value of 0.05 mg/L for chromium in ground water, the chromium concentration has apparently leveled off.

Studies by the Oak Ridge National Laboratory and others conclude that this leveling off indicates that further reductions of chromium concentration are not likely to be achieved (Doty, C.B. and Travis, C.C. The Effectiveness of Groundwater Pumping as a Restoration Technology. Oak Ridge National Laboratory Report ORNL/TM-11866, May, 1991). It is our opinion, therefore, that continued operation of the ground-water recovery system will not result in any measurable improvement in ground-water quality. County data indicate that there are no water supply wells in the immediate area of—the facility or other potential

Mr. Rodney Campbell March 29, 1993 Page 4

receptors of ground-water that may be at risk. Given these circumstances, we recommend, permanently turning off the ground-water recovery system.

If you have any questions regarding this report, please do not hesitate to contact me.

Very truly yours,

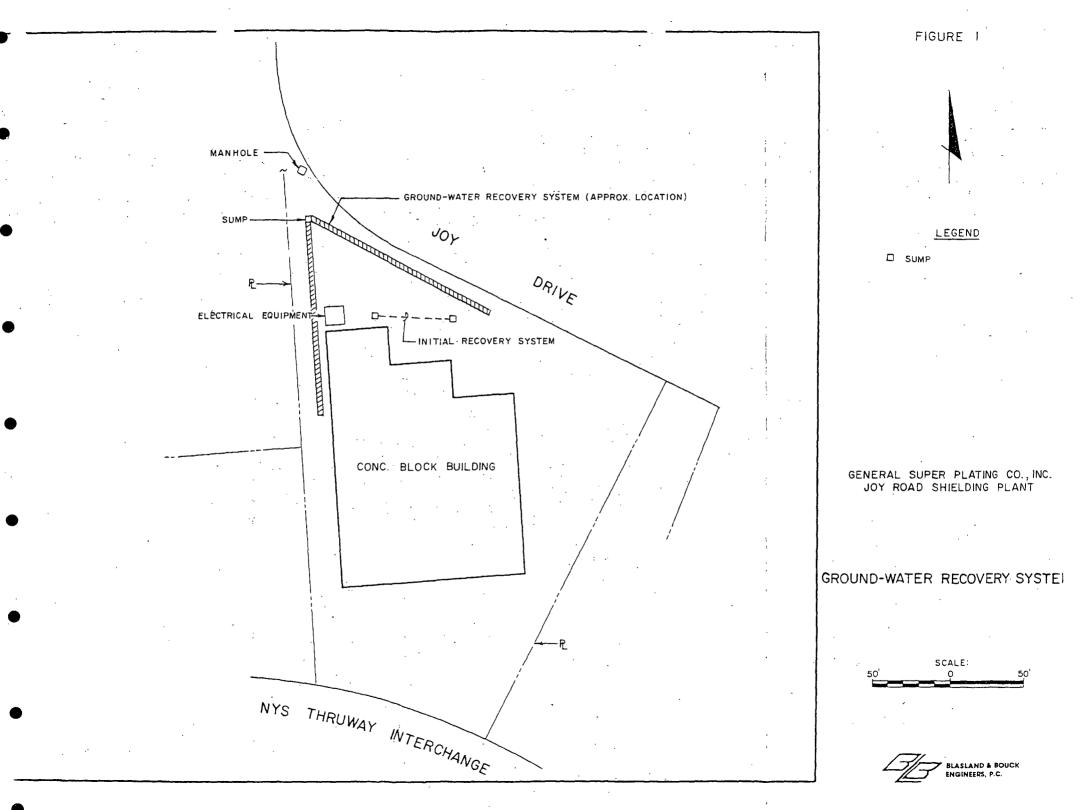
BLASLAND &/BOUCK ENGINEERS, P.C.

Wer E. Gass

Executive Vice President

SJR/kdm 1593914A Enclosures

cc: Doreen A. Simmons, Esq., Hancock & Estabrook



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PROCESS, EXHAUST OR VENTILATION SYSTEM

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NEW YORK STATE ... DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PROCESS, EXHAUST OR VENTILATION SYSTEM

WHITE GREEN - DIVISION OF AIR WHITE - REGIONAL OFFICE PINK - FIELD REP YELLOW - APPLICANT

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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COUNTY OF ONONDAGA



DEPARTMENT OF DRAINAGE AND SANITATION

650 HIAWATHA BOULEVARD, WEST SYRACUSE, NEW YORK 13204-1194

TEL: 315/435-2260

NICHOLAS J. PIRRO COUNTY EXECUTIVE

in accordance with the following conditions:

315/435-6820

FAX: 315/435-5023

JOHN M. KARANIK COMMISSIONER

ONONDAGA COUNTY INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NUMBER :	36	DATE ISSUED :	June 12, 1995
INDUSTRIAL CODE:	29	EXPIRATION DATE:	June 12, 1996
SIC :	3471		
•	inty of Onondaga, Depa	les and Regulations Relating to the artment of Drainage and Sanitation, uper Plating, Inc.	
		E OF COMPANY	
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ADDRES		CILITY DISCHARGING WASTE	WATER
to the		cuse Wastewater Treatment F	Facility (Metro)
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I. AUTHORITY

- A. This permit is hereby promulgated by the Commissioner of the Onondaga County Department of Drainage and Sanitation (OCDDS) to regulate the discharge of wastewater, polluted or unpolluted, to the sanitary sewer system, under the authority of The Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System (the Rules and Regulations) and the Onondaga County Administrative Code.
 - B. Article VII of the Rules and Regulations provides that any violation of this permit may subject the permittee to a fine of one thousand dollars per day per violation. In addition, Articles VI and VII of the Rules and Regulations specify other penalties and procedures the Department may employ for any violation of this permit or the Rules and Regulations.

II. PERMITTED WASTEWATER DISCHARGE

- A. The permittee is authorized to discharge the following to the County sewer system:
 - 1. Sanitary Wastewater; and,
 - 2. Electroless and Electroplating of Precious Metals process wastewaters which have been pretreated to meet all of the applicable effluent limitations detailed in this permit.
- B. Nomenclature: Sewer #1 will represent Sanitary Wastewater only. Sewer #2 (pretreatment system effluent) will accept wastewater from the following plating operations:
 - 1. "Big Bertha" automated plating line;
 - 2. Manual metals plating line;
 - 3. The Gillete plating line;
 - 4. Gold plating line;
 - 5. Zinc phosphating line; and,
 - 6. Pretreated batch discharges from associated plating operations as outlined in items #1 thru #5 above.
- C. All wastewater discharged to the sanitary sewer system must comply with the effluent limitations set forth in Section IV of this permit and Article III of the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System and Section 40, Part 413 of the Code of Federal Regulations (40 CFR 413), unless otherwise indicated in this permit expressly or by implication.

III. PROHIBITED DISCHARGES

- A. In accordance with Article III of the Rules and Regulations, the following shall not be introduced into the Onondaga County sanitary sewer system:
 - 1. Wastewater constituents which by their introduction to the sewer system, cause pass-through (pursuant to Sections 3.01(d), 3.01(f), and 3.01(g));
 - 2. Wastewater constituents which by their introduction to the sewer system, cause interference (pursuant to Sections 3.01(b), 3.01(d), 3.01(i), and 3.01(j));
 - 3. Wastewater which has the potential to create a fire or explosion hazard in the publicly-owned treatment works (POTW), including wastewater having a closed-cup flashpoint less than 140°F (pursuant to Section 3.01(a));
 - 4. Wastewater having a pH lower than 5.5 or higher than 9.5 S.U. (pursuant to Section 3.01(c));
 - 5. Wastewater constituents which result in the presence of toxic gases, vapors or fumes within the POTW in a quantity that may cause acute worker health and safety problems (pursuant to Sections 3.01(a), 3.01(d), and 3.01(e)); and,
 - 6. Batch discharges of unpermitted materials to the sanitary sewer system without prior written approval from the Commissioner. Any request to discharge such wastewater must be submitted in writing to this office and is subject to approval on a case-by-case basis (see section XV.B).
 - 7. The introduction of wastewater into the sanitary sewer system having a temperature greater than 150 °F or at a quantity such that the temperature at the headworks of the POTW exceeds 104 °F is prohibited (pursuant to Section 3.01(i));
 - 8. The discharge of non-contact cooling water and other unpolluted wastewater is prohibited (pursuant to Section 3.02).
 - 9. The discharge of any wastewater that will subject the receiving POTW to reporting and permitting regulations of the Resource Conservation and Recovery Act (RCRA) is prohibited (40 CFR 270.1 (c) and 270.60 (c)).
- B. In addition to the above prohibitions, dilution shall not be used as a substitute for pretreatment.

IV. EFFLUENT LIMITATIONS AND PRETREATMENT STANDARDS

A. Article III Section 3.08 of the Rules and Regulations requires the permittee to comply with 40 CFR Part 413.24 (Electroplating of Precious Metals Subcategory B Discharging More Than 10,000 gal/day - Pretreatment Standards for Existing Sources) pretreatment standards at the point of discharge into Sewer #2.

TABLE I: USEPA 40 CFR 413, Electroplating Discharge Limits

Parameters	Discharge Limitations		
raianicieis	Daily Maximum for any 1 day (mg/l)	Average of daily values for 4 consecutive monitoring days (mg/l)	
Total Silver (Ag)	1.2	0.7	
Total Cyanide (T-CN)	1.9	1.0	
Total Copper (Cu)	4.5	2.7	
Total Nickel (Ni)	4.1	2.6	
Total Chromium (Cr)	7.0	4.0	
Total Zinc (Zn)	4.2	2.6	
Total Lead (Pb)	0.6	0.4	
Total Cadmium (Cd)	1.2	0.7	
Total Metals (1)	10.5	6.8	
Total Toxic Organics (2)	2.13		

⁽¹⁾ Total metals is defined as the sum of the concentrations of copper, nickel, chromium, and zinc.

⁽²⁾ For the purpose of this permit, Total Toxic Organics are defined as detailed in Section XV of this permit.

IV. EFFLUENT LIMITATIONS AND PRETREATMENT STANDARDS (continued)

B. The wastewater discharge of the permittee shall comply with the following effluent limitations and pretreatment standards at the point of discharge to Sewer #1 and Sewer #2.

TABLE II: Onondaga County Effluent Limitations

TABLE II: Onondaga County Effluent Limitations				
	Discharge Limitation			
Parameter	Daily Allowable (mg/l) ³	Instantaneous Allowable (mg/l) ⁴		
Total Cadmium (Cd)	2.0	3.0		
Total Chromium (Cr)	8.0	12.0		
Hexavalent Chromium (Hex-Cr)	4.0	6.0		
Total Copper (Cu)	5.0	7.5		
Total Lead (Pb)	1.0	1.5		
Total Mercury (Hg)	0.02	0.03		
Total Nickel (Ni)	5.0	7.5		
Total Silver (Ag)	1.0	1.5		
Total Zinc (Zn)	5.0	7.5		
Total Cyanide (T-CN)	2.0	3.0		
Total Phenolic Compounds	3.0	4.5		
5-Day Biochemical Oxygen Demand (BOD ₅)	5	5		
Total Suspended Solids (TSS)	5	5		
Total Kjeldahl Nitrogen (TKN)		. 5		
Total Phosphorus (TP)	,	5		
Oil and Grease (O&G)	100	150		
pH	5.5-9.5 S.U.	5.5 - 9.5 S.U.		
Flashpoint	140°F	140°F		

As determined by a composite sample (as defined by Article II, Section 2.02 of the Rules and Regulations) of the permittee's daily discharge over the operational and/or production period.

As determined by a grab sample (as defined by Article II, Section 2.02 of the Rules and Regulations) of the permittee's discharge at any time during the daily operational and/or production period.

IV. EFFLUENT LIMITATIONS AND PRETREATMENT STANDARDS (continued)

Permission is hereby granted to exceed the numerical values listed for BOD₅, TSS, TP, TKN contained in Article III, Section 3.07 (Special Conditions) of the Rules and Regulations. An INDUSTRIAL WASTEWATER SURCHARGE based upon percent contribution will be assessed in order to recover costs incurred by the POTW for treatment of the above wastewater constituents (refer to Article V of the Rules and Regulations). The Commissioner reserves the right to place concentration-based or mass-based limitations upon the discharge of the above wastewater constituents in accordance with Section 3.07 of the Rules and Regulations, if deemed necessary.

V. NOTICE OF ACCIDENTAL DISCHARGE

- A. In accordance with Article IV, Section 4.10 of the Rules and Regulations, the permittee shall, at its own expense, provide protection from accidental discharge of prohibited materials to the sanitary sewer system as defined in Section III of this permit and Article III of the Rules and Regulations.
- B. Any wastewater released in accordance with the following conditions and Section V.A. of this permit shall require the permittee to provide notification in accordance with Section V.C of this permit:
 - breakdown of industrial waste pretreatment equipment;
 - accident caused by human error or mechanical failure; and
 - other causes, such as acts of nature.

C. Notification Procedures

- 1. In the event of any accidental discharge (as defined above), the permittee shall **immediately** notify the operator of the receiving treatment plant and the Commissioner by telephone (435-2260 between the hours of 8:00 am-4:30 pm weekdays and 435-3142 or 435-3182 between the hours of 4:30 pm-8:00 am weekdays or all day on weekends).
- 2. In accordance with Article IV, Section 4.10, of the Rules and Regulations, following the telephone notification, the Commissioner shall be notified in writing within five (5) days. Said written notification shall include the following information.
 - a. The cause of the accidental discharge;
 - b. a description of the accidental discharge;
 - c. anticipated time the condition is expected to continue, or if such condition has been corrected, the duration of the period of accidental discharge;
 - d. steps taken by the permittee to reduce and/or eliminate the discharge; and
 - e. steps to be taken by the permittee to prevent recurrence of the condition which caused the accidental discharge.
- D. Nothing in this section of the permit shall be construed to relieve the permittee from the penalties for noncompliance with this permit or the Rules and Regulations (Article VII Enforcement and Penalties).

VI. CHANGE IN WASTEWATER DISCHARGE

- A. In accordance with Article III Section 3.12 of the Rules and Regulations, the permittee shall notify the POTW in advance of any change in the volume or characteristics of wastewater discharge practices not explicitly permitted under Section II.
- B. All discharges authorized herein shall comply with the terms and conditions of this permit.
- C. Any industrial facility expansions, production increases or process modifications which result in new, different or increased discharges of pollutants must be reported by submission of a new industrial waste disposal questionnaire pursuant to Article IV, Section 4.02, of the Rules and Regulations.
- D. This permit may be modified to specify and limit any new or increased pollutant discharges.

VII. TRANSFER OF OWNERSHIP CONTROL

- A. At least thirty (30) days prior to any change in the ownership of the industrial facilities from which the authorized discharges emanate, the permittee must notify this office in writing of the pending transfer.
- B. The current owner shall then notify the succeeding owner or controller of the existence of this permit by letter, with a copy of the permit enclosed. In addition, notification of the impending transfer must be made to this office by a copy of the letter.
- C. The new owner must acknowledge receipt of the letter and the conditions and provisions of the discharge permit in writing to the previous owner and to this department.
- D. Once this office is notified of the transfer of the title, the Commissioner will provide written permitting procedures for the new owners.

VIII. RIGHT OF ENTRY

- A. In accordance with Article IV, Section 4.08, of the Rules and Regulations, the permittee shall allow duly authorized employees or representatives of the County to enter the permittee's premises at all reasonable times for the purpose of inspection, observation, flow measurement, sampling and testing.
- B. In accordance with Article VII, Section 7.05 of the Rules and Regulations, the permittee shall allow duly authorized employees of the County to enter the permittee's premises without delay for purposes of investigating any condition or activity which in the Commissioner's (or his designee's) judgement presents an imminent danger to the public health, safety or welfare, or to the environment, or is likely to result in damage to the public sewer system.

IX. COUNTY MONITORING

- A. The monitoring of each industrial discharge and the recording of quantitative values shall be performed by authorized employees or representatives of the County according to schedules established by this office.
- B. The County monitoring effort does not in any way relieve the permittee of any of the self-monitoring requirements contained in Section XV of this permit.
- C. Composite and/or grab samples will be collected whenever possible over the production day including clean-up periods.
- D. The flow (in gallons per day) shall be measured during each sampling period. Water use records may be substituted in place of flow measurement.
- E. Additional sampling and flow measurement may be performed by the permittee using approved methods. The data obtained by the permittee may be used at the discretion of this office as supplemental data to evaluate compliance with permit effluent limitations and pretreatment standards or to be used in addition to county data for computations of the Industrial Waste Surcharge.
- F. All samples shall be collected in accordance with the procedures set forth by the New York State Department of Health Environmental Laboratory Approval Program (NYSDOH-ELAP) and/or Title 40 Part 136 of the Code of Federal Regulations (40 CFR 136).
- G. All analyses shall be performed by a NYSDOH certified laboratory in accordance with USEPA approved analytical methods (40 CFR 136) as stated in the latest approved edition of the following references:

STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, American Public Health Association, New York, New York 10019.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, Environmental Monitoring and Support Laboratory, Office of Research and Development, March 1983, Environmental Protection Agency, Cincinnati, Ohio 45268.

X. PRETREATMENT FACILITIES

- A. The permittee shall provide and maintain industrial wastewater pretreatment facilities at its expense pursuant to Article IV, Section 4.09, of the Rules and Regulations.
- B. All reports, plans and/or specifications for new or modified pretreatment facilities or changes in method of operation must be approved by the Commissioner or his designee prior to implementation.

XI. PERMIT MODIFICATIONS

- A. In accordance with Article IV of the Rules and Regulations this permit may be modified, suspended, or revoked in whole or part during its term for causes including, but not limited to, the following:
 - 1. violation of any of the terms or conditions of this permit, or the Rules and Regulations;
 - 2. a change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge;
 - 3. a pretreatment, effluent, or toxic effluent standard being established under any local, state, or federal law for any pollutant which is present in the permittee's discharge where said standard or prohibition is more stringent than the limitation for the pollutant in this permit or the Rules and Regulations;
 - 4. failure to make payments of the Industrial Waste Surcharge; and/or,
 - 5. failure to supply information to this office in accordance with Article IV, Section 4.03 (Permit Conditions) of the Rules and Regulations.

XII. MONITORING FACILITIES

- A. In accordance with Article IV, Section 4.07, of the Rules and Regulations, if there are inadequate provisions for the collection of representative wastewater samples and accurate discharge flow measurements, this office may require that an adequate monitoring facility be installed by the permittee at its own expense.
- B. The monitoring facility must be approved by this office before installation.
- C. The permittee shall be responsible for all maintenance of the sampling manhole and calibration of the monitoring equipment.

XIII. WASTE MATERIAL DISPOSAL

- A. Any screenings, sludges, solids, waste oils, or other waste materials <u>removed or separated from the permittee's authorized discharge or generated as a result of the wastewater treatment process shall be disposed of in such a manner as to prevent entry of such materials into navigable waters, ground water, storm drains, and the sanitary sewer system.</u>
- B. The following information regarding the disposal of waste materials, as defined above, shall be reported to the County of Onondaga in conjunction with annual reporting to the NYSDEC and the USEPA. Submitted data must include the following information.
 - 1. List the source(s) of materials to be disposed of.
 - 2. Describe the nature of the waste (hazardous or non-hazardous).
 - a. If nonhazardous, describe the waste and how it is created.
 - b. If hazardous, provide the 40 CFR Part 261, Subpart C designation for the waste removed (i.e. characteristic waste, listed waste or a mixture). If it is listed, provide the F,K,P or U listing for the waste material removed.
 - c. List the facility's hazardous waste generator identification number.
 - 3. Include the approximate volumes and weights of each waste material disposed of.
 - 4. Describe the method by which the wastes were removed and transported.
 - 5. Report the company contracted to remove such materials and the final disposal or recovery location.

XIV. COMPUTATION AND PAYMENT OF INDUSTRIAL WASTE SURCHARGE

- A. The permittee shall pay its proportionate share of the cost of operation and maintenance and local debt retirement of the treatment system.
- B. These charges shall be computed by this office using the formulae in Article V, Section 5.02, of the Rules and Regulations.
- C. Payments shall be made to the County of Onondaga by the permittee no less often than annually unless prior written approval has been granted by the Commissioner.

A. SELF-MONITORING REPORT SCHEDULE

1. The permittee shall submit Self-Monitoring Reports in accordance with the schedule detailed in Table III. Failure to submit the Self-Monitoring Report (SMR) by the due date specified in Table III shall subject the permittee to the fines and penalties prescribed under Article VII of the Rules and Regulations.

TABLE III: SELF MONITORING REPORT SCHEDULE FOR 1995 - 1996

Perio	Period Covered	
Beginning	Ending	Date Report is Due
January 1	January 31	February 28
February 1	February 28	March 30
March 1	March 31	April 30
April 1	April 30	May 30
May 1	May 31	June 30
June 1	June 30	July 30
July 1	July 31	August 30
August 1	August 31	September 30
September 1	September 30	October 30
October 1	October 31	November 30
November 1	November 30	December 30
December 1	December 31	January 30

2. The SMR must be submitted on the forms provided in Appendix A. Supplemental information, explanations, or clarifications may be provided in addition to the supplied forms. Official laboratory reports, calibration reports, and/or waste material disposal manifests (or copies thereof) must be included as attachments to the SMR.

B. SELF-MONITORING REPORT REQUIREMENTS

The SMR shall include the following:

1. Laboratory Analysis (Forms B1 & B2)

a. During the months of March, June, September, and December, the permittee shall have independent samples collected from Sewer #1 and analyzed by a New York State Department of Health Certified Laboratory for all parameters listed in Table IV.

- b. Each SMR shall contain the results of laboratory analysis, performed by the permittee, of wastewater samples from Sewer #2 for the parameters listed in Table V. During the months of March, June, September and December, the permittee shall have independent samples collected (from Sewer #2) and analyzed by a New York State Department of Health Certified Laboratory. The periods of sample collection shall coincide with sampling conducted by the permittee. The permittee shall then offer a comparison of the results of both sets of data in the corresponding monthly SMR.
- c. Samples to be collected on more than one day per reporting period must be collected on consecutive days typical of normal production unless otherwise indicated.
- d. All analyses must be conducted in accordance with the methodologies detailed in 40 CFR 136 and amendments thereto.
- e. Copies of official laboratory reports, including chain of custody (COC) records, must be included with each SMR.
- f. The contract laboratory must be certified by the New York State Department of Health (NYSDOH) for each parameter analyzed.
- g. Each SMR must include a summary of sampling and analytical methodologies employed (attach to SMR forms). Note that composite samples must be collected at a minimum rate of one sample aliquot every thirty (30) minutes.
- h. The concentration of any parameter analyzed for shall not exceed the effluent limitations detailed in Section IV of this permit or any other applicable local, state, or federal standards.
- i. For the purpose of this permit, total toxic organics is currently defined by the County as Control Authority to be the sum of the following pollutants:

Methylene Chloride
Benzene
Toluene
Chloroform
Carbon Tetrachloroethane
Tylenes
Chylenes
Chylenes
Trans 1,2 Dichloroethane
Carbon Tetrachloride
Tylenes
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- (1) The County must be notified in writing if any of the 126 USEPA Priority Pollutants (see Appendix B) not included on this list are to be discharged to the sewer system. The County must be notified in order to evaluate the impact of such a discharge (pursuant to Section VI of this permit).
- (2) The above list is subject to change in order to reflect additional pollutants of concern in the permittee's wastewater.

TABLE IV: SELF MONITORING SAMPLING SCHEDULE FOR 1995 - 1996

Discharge Location	1		Type of Sample
Sewer #1	BOD ₅	3 days/report	Composite
(Sanitary Effluent)	Total Suspended Solids (TSS)	3 days/report	Composite
	Total Phosphorus (TP)	3 days/report	Composite
·	Total Kjeldahl Nitrogen (TKN)	3 days/report	Composite
	Cyanide, Total (T-CN)	3 days/report	Grab
	Amenable Cyanide (CN-A)	3 days/report	Grab
	Oil & Grease (O&G)	3 days/report	Grab
<u>j</u>	Closed-Cup Flashpoint	1 day/report	Grab
	Total Chromium (Cr)	3 days/report	Composite
	Total Molybdenum (Mo)	3 days/report	Composite
	Total Lead (Pb)	3 days/report	Composite
	Total Zinc (Zn)	3 days/report	Composite
	Total Nickel (Ni)	3 days/report	Composite
	рН	3 days/report	Continuous Recording

TABLE V: SELF MONITORING SAMPLING SCHEDULE FOR 1995 - 1996

Discharge	Parameters	Minimum Frequency of	Type of Sample
Location		Analysis	
	Total Cadmium (Cd)	3 times/biweekly	Composite
Sewer #2	Total Chromium (Cr)	3 times/biweekly	Composite
(Pretreatment	Total Copper (Cu)	3 times/biweekly	Composite
Facility Effluent)	Total Cyanide	3 times/biweekly	Grab
	(T-CN)		
	Total Lead (Pb)	3 times/biweekly	Composite
	Total Nickel (Ni)	3 times/biweekly	Composite
·	Total Silver (Ag)	3 times/biweekly	Composite
	Total Zinc (Zn)	3 times/biweekly	Composite
	Total Metals (6)	3 times/biweekly	Composite
-	pH (Standard Units)	3 times/biweekly	Instantaneous/
			Grab
	pH (Standard Units)	daily	Continuous Recording
		,	See Section XV.B.2
·	Flow	daily	Continuous Recording
			See Section XV.B.3
	Total Toxic Organics (TTOs)	2 times/year (June &	Grab
		December)	
	Oil & Grease (O&G)	2 times/year (June &	Grab
		December)	
·	Closed-Cup Flashpoint	2 times/year (June &	Grab
		December)	
	Phenolic Compounds	2 times/year (June &	Grab
		December)	

⁽⁶⁾ Total metals is defined as the sum of the concentrations of copper, nickel, chromium, and zinc.

TABLE V: SELF MONITORING SAMPLING SCHEDULE FOR 1995 - 1996

Discharge	Parameters	Minimum Frequency of	Type of Sample
Location	Analysis Analysis		
	Total Cadmium (Cd)	3 times/biweekly	Composite
Sewer #2	Total Chromium (Cr)	3 times/biweekly	Composite
(Pretreatment	Hexavalent Chromium (Hex-	3 times/biweekly	Composite
Facility Effluent)	Cr)		
	Total Copper (Cu)	3 times/biweekly	Composite
	Total Cyanide	3 times/biweekly	Grab
	(T-CN)		
	Amenable Cyanide (CN-A)	3 times/biweekly	Grab
·	Total Lead (Pb)	3 times/biweekly	Composite
	Total Nickel (Ni)	3 times/biweekly	Composite
·	Total Silver (Ag)	3 times/biweekly	Composite
	Total Zinc (Zn)	3 times/biweekly	Composite
	Total Metals (6)	3 times/biweekly	Composite
	pH (Standard Units)	3 times/biweekly	Instantaneous/
			Grab
	pH (Standard Units)	daily	Continuous Recording
	4		See Section XV.B.2
	Flow	daily	Continuous Recording
			See Section XV.B.3
	Total Toxic Organics (TTOs)	2 times/year (June &	Grab
		December)	
:	Oil & Grease (O&G)	2 times/year (June &	Grab
		December)	
	Closed-Cup Flashpoint	2 times/year (June &	Grab
		December)	
	Phenolic Compounds	2 times/year (June &	Grab
	·	December)	

⁽⁶⁾ Total metals is defined as the sum of the concentrations of copper, nickel, chromium, and zinc.

2. pH Monitoring

- a. At Sewer #2, pH recorder charts must be submitted with each SMR for the three days of self-monitoring. The charts must be clearly labeled with date, time, and scale. Instantaneous pH at the time of sampling must also be noted.
- b. Daily pH records must also be submitted with each SMR for each day upon which a violation of the County pH limitation (see Section IV of this permit) occurred. Daily pH records must be clearly labeled as to the date, time, and scale of each chart. Records of pH violations must be accompanied by an explanation as to why the violation occurred and the corrective measures taken (Form G).

3. Flow Monitoring (Form C1 & C2)

- a. Report the total amount of water consumed at the permitted facility during each reporting period. In addition to purchased water, include the amount of water drawn from private sources (wells, streams, etc..). See Form A.
- b. Include a summary of the total daily amount of water (gpd) and average flowrate (gpm) of wastewater discharged to Sewer #1 for each day of the three day testing period (Form C1). Include a summary of the total daily amount of water (gpd), average flowrate (gpm), and maximum flowrate (gpm) of wastewater discharged to Sewer #2 for each day of the reporting period (Form C2).
- c. Include an estimate of water consumed but not discharged to the sanitary sewer system (non-sewer usage) detailed as follows (Form A):
 - Boiler make-up;
 - (2) Evaporation losses;
 - (3) Off-site disposal (refer to Section XIII of this permit);
 - (4) Other (specify).

4. Batch Discharge Procedures (Form D)

- a. Each SMR shall include a summary of all batch discharges. Incorporate the following information:
 - (1) The approximate quantity in gallons of each batch discharge, including batch discharge number;

- (2) source of the discharge;
- (3) the date of each batch discharge; and
- (4) each entry must be signed by an authorized representative.

5. Waste Material Disposal

In accordance with the provisions of Section XIII of this permit, each self-monitoring report must contain information regarding the handling and disposal of waste materials removed from the permittee's wastewater. The information must be documented on Form E.

6. Equipment Calibration

Each SMR must include the results of equipment calibration (Form F).

- a. Flow monitoring equipment calibration must be conducted at least once per quarter by a qualified third-party technician.
- b. pH monitoring equipment must be calibrated at least once per quarter by a qualified third-party technician.
- c. Each calibration summary must contain the written results of the calibration.
 - 1. Include the date of calibration;
 - 2. The amount of drift detected; and,
 - 3. The signature and title of the person performing the calibration and certifying the accuracy of the results.
- d. The permittee shall adhere to the equipment manufacturer's specifications and guidelines for calibrating all flow and pH monitoring equipment.
- 7. A Toxic Chemical Release Inventory Reporting Form (EPA Form R) shall be included in the September 1995 SMR.

8. Operating Days

Report the number of days when the facility was in operation during the reporting period (Form A). For the purpose of this permit, "operation" shall mean any day on which the wastewater discharged differs in strength and/or concentration from that of a domestic user.

9. Number of Employees

Report the number of people employed during each reporting period (Form A).

10. Compliance Certification

Each Self-Monitoring Report requires a statement that compliance with all applicable effluent limitations has been maintained throughout the reporting period (SMR Form A). If the permittee fails to maintain compliance the permittee must adhere to the following requirements.

- a. The permittee must include a written report which includes a description of the cause of the noncompliance and information as to what additional operation and maintenance and/or pretreatment equipment is necessary to return to and maintain consistent compliance.
- b. The permittee is required to notify the County immediately upon becoming aware of a self-monitoring violation.
- c. The permittee shall provide, upon request by the County, any information deemed necessary by the Commissioner.
- d. The permittee must repeat sampling for all parameters exceeding applicable discharge limitations. The permittee shall submit the results of the repeat analysis within thirty (30) days of becoming aware of the violation. Note that the results of the repeat analysis may be submitted separately in order to avoid submitting a late Self-Monitoring Report.

11. Certification Statement (Form A)

- a. Each self-monitoring report must contain a statement certifying its accuracy.
- b. Each self-monitoring report must contain a certification statement that methods for sampling and analyses conform to the methodology contained in 40 CFR Part 136 (Guidelines Establishing Test Procedures for the Analysis of Pollutants).
- c. Each self-monitoring report must contain a statement certifying that the permittee is in full compliance with all effluent limitations as stated in this permit or follow the procedures for reporting and abating non-compliant discharges as detailed in Section XV.B.10 of this permit.

XVI.RECORD KEEPING

- A. Records of all information resulting from self-monitoring activities as required above, or any other discretionary self-monitoring, shall be maintained for a minimum of three (3) years. The required record keeping period may be extended during the course of unresolved litigation or by order of this department.
- B. Records shall be made available immediately upon request for inspection and copying by the Department of Drainage and Sanitation as the Control Authority.

XVII.AVAILABILITY OF BUSINESS RECORDS TO DISCLOSURE

- A. The New York State Freedom of Information Law (FOIL) provides the public with access to government records, as do subpoenas for County records made relative to litigation. Therefore, information submitted to Onondaga County Department of Drainage and Sanitation (OCDDS) by a commercial enterprise may be subject to public disclosure unless it falls within a protected category or is otherwise nondisclosable pursuant to state or federal law.
- B. Certain business information may be considered confidential if it concerns trade secrets or information which, if disclosed, would injure the competitive position of a business. This information which is obtained by OCDDS in the course of regulating use of the County sewer system may be protected from disclosure via FOIL requests. To do so, an assertion of confidentiality must be made at the time information is received by OCDDS using OCDDS guidelines. If no such request is made by a commercial enterprise, all information will be made available to the public by OCDDS upon receipt of a FOIL request. Guidelines for the assertion of a confidentiality claim may be obtained upon request to OCDDS.

XVIII. SIGNATORY REQUIREMENTS

- A. All reports and correspondence submitted by the permittee in accordance with this permit must be signed by an authorized representative. The authorized representative of the user shall be an individual who is:
 - 1. A responsible corporate officer if the Industrial User is a corporation. A responsible corporate officer may include the president, the secretary, the treasurer or vice president in charge of a principal business function or any other person performing a similar policy or decision making function.
 - 2. The manager of one or more manufacturing, production, or operation facilities employing more than 250 persons or having gross annual sales or expenditures which equal or exceed 25,000,000 dollars and who is duly authorized by a resolution of the corporation to submit such reports on behalf of the corporation.
 - 3. A general partner or proprietor if the Industrial User is a partnership or sole proprietorship.
 - 4. A duly authorized representative of an individual described in 1 or 2 of this section if the authorization is made in writing by that individual.
- B. The permittee shall notify the Department in writing within three business days of any changes regarding the authorization to sign and certify reports submitted pursuant to this permit.

XIX. AUTHORIZATION

- A. This permit and the authorization to discharge industrial wastewater into the public sewer system shall be legally binding upon the permittee.
- B. This permit shall expire on June 12, 1996. The permittee shall not discharge after the date of expiration without prior written permission from this office.
- C. In order to receive a new permit and continued authorization to discharge wastewater to the public sewer system, the permittee shall have paid all industrial waste surcharges owed to the County of Onondaga and submit an up-to-date industrial waste questionnaire and other information as required by this office.
 - 1. Where a permit has been issued for a term of eighteen months or less, the permittee shall apply for renewal of that permit no later than ninety (90) days prior to the date on which the permit is scheduled to expire.
 - 2. Where a permit has been issued for a period of more than eighteen months, the permittee shall apply for renewal of that permit no later than one hundred and eighty (180) days prior to the date on which the permit is scheduled to expire.

DATE

By the authority of

SIGNATURE

<u>JOHN M. KARANIK</u> COMMISSIONER

Appendix A: Self-Monitoring Report Forms

Appendix B: USEPA 126 Priority Pollutants

USEPA Priority Pollutants

Acenaphthene Acrolein Acrylonitrile Benzene Benzidine

Carbon tetrachloride (tetrachloromethane) Chlorobenzene 1,2,4-trichlorobenzene Hexachlorobenzene 1,2-dichloroethane

1,1,1-trichloreothane
Hexachloroethane
1,1-dichloroethane
1,1,2-trichloroethane
1,1,2,2-tetrachloroethane

Chloroethene Bis(2-chloroethyl) ether 2-chloroethyl vinyl ether (mixed) 2-chloronaphthalene

2,4,6-trichlorophenol
Parachlorometa cresol
Chloroform (trichloromethane)
2-chlorophenol
1,2-dichlorobenzene

1,3-dichlorobenzene
1,4-dichlorobenzene
3,3-dichlorobenzidine
1,1-dichloroethylene
1,2-trens-dichloro-ethylene

2,4-dichlorophenol
1,2-dichloropropane
1,2-dichloropropylene (1,3-dichloropropene)
2,4-dimethylphenol

2,4-dinitrotoluene

2,6-dinitrotoluene
1,2-diphenylhydrazine
Ethylbenzene
Fluoranthene
4-chlorophenyl phenyl ether

4-bromophenyl phenyl ether Bis(2-chloroisopropyl) ether Bis(2-chloroethoxy) methane Methylene chloride (dichloromethane) Methyl chloride (dichloromethane) Methyl bromide (bromomethene) Bromoform (tribromomethene) Dichlorobromomethene

Chlorodibromomethane
Hexachlorobutadiene
Hexachloromyclopentadiene
Isophorone
Naphthalene

Nitrobenzene
2-nitrophenol
4-nitrophenol
2,4-dinitrophenol
4,6-dinitro-o-cresol

N-nitrosodimethylamine N-nitrosodiphenylamine N-nitrosodi-n-propylamin Pentachlorophenol Phenol

Bis(2-ethylhexyl) phthalate Butyl benzyl phthalate Di-N-Butyl Phthalate Di-n-octyl phthalate Diethyl Phthalate

Dimethyl phthalate
1,2-benzanthracene (benzo(a))
anthracene
Benzo(a)pyrene (3,4-benzo-pyrene)
3,4-Benzofluoranthene (benzo(b)
fluoranthene)
11,12-benzofluoranthene (benzo(b)
fluoranthene)

Chrysene Acenaphthylene Anthracene 1,1,2-benzoperylene (benzo-(ghi)perylene)

Fluorene

Phenanthrene
1,2,5,6-dibenzanthracene (dibenzo(,h)
anthracene)
Indeno (,1,2,3-cd) pyrene (2,3-opheynylene pyrene)
Pyrene
Tetrachloroethylene

Toluene Trichloroethylene Vinyl chloride (chloroethylene) Aldrin Dieldrin

Chlordane (technical mixture and metabolites)
4,4-DDT
4,4-DDE (p,p-DDX)
4,4-DDD (p,p-TDE)
Alpha-endosulfan

Beta-endosulfan Endosulfan sulfate Endrin Endrin aldehyde Heptachlor

Heptachlor epoxide (BHC-hexachlorocyclohexane)
Alpha-BHC
Beta-BHC
Gamma-BHC (lindane)
Delta-BHC (PCB-polychlorinated biphenyls)

PCB-1242 (Arochlor 1242) PCB-1254 (Arochlor 1254) PCB-1221 (Arochlor 1221) PCB-1232 (Arochlor 1232) PCB-1248 (Arochlor 1248)

PCB-1260 (Arochlor 1260) PCB-1016 (Arochlor 1016) Toxaphene Antimony Arsenic

Beryllium Cadmium Chromium Copper

Cyanide, Total
Lead
Mercury
Nickel
Selenium
Silver
Thallium
Zinc
2,3,7,8-tetrachloro-dibenzo-p-dioxin
(TCDD)

COUNTY OF ONONDAGA



DEPARTMENT OF DRAINAGE AND SANITATION

650 HIAWATHA BOULEVARD, WEST SYRACUSE, NEW YORK 13204-1194 478-3755 - 425-2260

JOHN H. MULROY
COUNTY EXECUTIVE

JOHN M. KARANIK
COMMISSIONER

ONONDAGA COUNTY INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NUMBER : 37	DATE ISSUED	: December 16, 1987
INDUSTRIAL CODE: 29	EXPIRATION DAT	TE: December 16, 1990
sic : 3471		
Pursuant to Article IV, Secti to the Use of the Public Se Department of Drainage and Sa	wer System issued by the	
General	Super Plating Company, In	C.
is authorized by the Commiss the industrial facility locat		rial wastewater from
	Syracuse, New York 13057 ILITY DISCHARGING WASTEWAT	rer
to the <u>Metropolitan Syracuse</u> NAME OF	Wastewater Treatment Faci RECEIVING TREATMENT PLANT	ility
in accordance with the follow	ing conditions:	

I. PERMITTED WASTEWATER DISCHARGE

The permittee is authorized to discharge the following to the county sewer system:

- 1. Sanitary Wastewater
- 2. Electro/Electroless Plating Process wastewater which has been treated to comply with pretreatment standards specified in this permit.

II. PROHIBITED DISCHARGES

The following shall not be introduced into the county system:

- (a) Wastes which create a fire or explosion hazard in the wastewater treatment plant.
- (b) Wastes which have a pH lower than 5.5 or higher than 9.5.
- (c) Solid or viscous wastes in amounts which would cause an obstruction to the flow in sewers, or other interference with the proper operation of the wastewater treatment plant.
- (d) Wastes at a flow rate and/or pollutant discharge rate which is excessive over relatively short time periods creating a treatment process upset and subsequent loss of treatment efficiency.
- (e) Wastes which are prohibited in Article III of the Rules and Regulations.

III. EFFLUENT LIMITATIONS AND PRETREATMENT STANDARDS

The wastewater discharge of the permittee shall comply with the following effluent limitations and pretreatment standards. Section 3.08 of the Onondaga County Rules and Regulations requires the permittee to comply with USEPA pretreatment standards if they are <u>more stringent</u> than county effluent limitations.

(A) USEPA 40 CFR Part 413 Electroplating Pretreatment Standards for facilities discharging 10,000 gallons or more per day.

<u>PARAMETERS</u>	DISCHARGE LIMITATIONS	<u>5</u>
	DAILY MAXIMUM (mg/l)	MAXIMUM 4 DAY AVERAGE (mg/l)
Cyanide, Total (CN-T)	1.9	- 1.0
Copper (Cu)	4.5	2.7
Nickel (Ni)	4.1	2.6
Chromium (Cr)	7.0	4.0
Zinc (Zn)	4.2	2.6
Lead (Pb)	0.6	0.4
Cadmium (Cd)	1.2	0.7
Total Metals*	10.5	6.8
Total Toxic Organics#	2.13	

*Total metals is defined as the sum of the concentrations of copper, nickel, chromium, and zinc.

#Total toxic organics is defined by the County as Control Authority to be the sum of the following pollutants:

Methylene Chloride	Tetrachloroethylene
1,2 Dichloroethane	Freon
Chloroform	Carbon Tetrachloride
1,1,1 Trichloroethane	Benzene
1,1,2 Trichloroethane	Toluene
Trichloroethylene	Xylenes

III. EFFLUENT LIMITATIONS AND PRETREATMENT STANDARDS (continued)

(B) Onondaga County Effluent Limitations at the point of discharge to the County sewer system.

PARAMETERS	DISCHARGE INSTANTANEOUS (1) ALLOWABLE (mg/l)	LIMITATIONS	DAILY (2) ALLOWABLE (mg/l)	_
Cadmium (Cd)	3.0		2.0	
Chromium, Total (Cr)	12.0		8.0	
Copper (Cu)	7.5		5.0	
Cyanide, Total (CN)	3.0		2.0	
Lead (Pb)	1.5		1.0	
Nickel (Ni)	7.5		5.0	
Silver (Ag)	1.5		1.0	
Zinc (Zn)	7.5	•	5.0	

- (1) As determined by a grab sample taken of the permittee discharge at any time during the daily operational and/or production period.
- (2) As determined by a composite sample taken of the permittee daily discharge over the operational and/or production period.

IV. NOTICE OF NON-COMPLIANCE

In the event the permittee is unable to comply with any effluent limitation or pretreatment standard specified in this permit due to:

- (1) Breakdown of industrial waste pretreatment equipment;
- (2) Accident caused by human error or negligence, mechanical failure; or,
- (3) Other causes, such as acts of nature;

the permittee shall notify the operator of the receiving treatment plant immediately by telephone (478-3755 between the hours of 8:00 am-4:30 pm and 425-3142 or 478-4856 between the hours of 4:30 pm-8:00 am) so the necessary steps can be taken to prevent damage to the wastewater treatment process and equipment. In accordance with Article IV, Section 4.10, of the Rules and Regulations, the Commissioner shall be notified in writing within five (5) days and shall be informed of the following pertinent information:

- (1) Cause of noncompliance;
- (2) A description of the noncomplying discharge;
- (3) Anticipated time the condition of noncompliance is expected to continue, or if such condition has been corrected, the duration of the period of noncompliance;
- (4) Steps taken by the permittee to reduce and eliminate the noncomplying discharge; and,
- (5) Steps to be taken by the permittee to prevent recurrence of the condition of noncompliance.

Nothing in this permit shall be construed to relieve the permittee from the penalties for noncompliance with this permit pursuant to Article VII-Enforcement and Penalties of the Rules and Regulations Relating to the Use of the Public Sewer System.

V. CHANGE IN WASTEWATER DISCHARGE

All discharges authorized herein shall comply with the terms and conditions of this permit. Any industrial facility expansions, production increases or process modifications which result in new, different or increased discharges of pollutants must be reported by submission of a new industrial waste disposal questionnaire pursuant to Article IV, Section 4.02, of the Rules and Regulations. This permit may be modified to specify and limit any pollutants not previously limited. The discharges of any pollutant more frequently than, or at a level in excess of that specified and authorized by this permit, shall constitute a violation of the terms and conditions of this permit.

VI. COUNTY MONITORING

The monitoring of each industrial discharge and the recording of quantitative values shall be performed by authorized employees or representatives of the county according to schedules established by the Commissioner. Composite samples will be collected whenever possible over the production day including clean-up periods. The flow (in gallons per day) shall be measured during each sampling period. If flow measurement is not practicable, water use records may be substituted in place of flow measurement.

Additional sampling and flow measurement may be performed by the permittee using approved methods. The data obtained by the permittee may be used at the discretion of the Commissioner as supplemental data to show compliance with permit effluent limitations and pretreatment standards or to be used in addition to county data for computations of the Industrial Waste Surcharge.

All analyses shall be performed in accordance with approved USEPA analytical methods (40 CFR 136) as stated in the latest edition of the following references:

STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 16th Edition, 1985, American Public Health Association, New York, New York 10019.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, Environmental Monitoring and Support Laboratory, Office of Research and Development, March 1983, Environmental Protection Agency, Cincinnati, Ohio 45268.

The sampling schedule cited below shall become effective the day this permit is issued.

	•		•
DISCHARGE LOCATION	PARAMETERS	MINIMUM FREQUENCY OF ANALYSIS	TYPE OF SAMPLE
Sewer #2	Biochemical Oxygen	16 times/year	Composite
Pretreatment	Demand (BOD)	To cimes/year	Composite
Plant	Total Suspended	<pre>16 times/year</pre>	Composite
Outfall	Solids (TSS)		
•	Total Phosphorus (TP)	16 times/year	Composite
•	рН	16 times/year	Composite
	Cadmium (Cd)	16 times/year	Composite
	Chromium (Cr)	16 times/year	Composite
•	Copper (Cu)	16 times/year	Composite
•	Total Cyanide (CN-T)	16 times/year	Composite
	Lead (Pb)	16 times/year	Composite
	Nickel (Ni)	16 times/year	Composite
	Zinc (Zn)	16 times/year	Composite
	Total Toxic Organics (TTO)	once/year	Grab

VII. PERMIT MODIFICATIONS

After sufficient notice to the permittee, this permit may be modified, suspended, or revoked in whole or part during its term for causes including, but not limited to, the following:

- (a) Violation of any terms or conditions of this permit.
- (b) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- (c) A toxic effluent standard being established under any state or federal law for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit.
- (d) Failure to make payments of the Industrial Waste Surcharge.

VIII. RIGHT OF ENTRY

The permittee shall allow duly authorized employees or representatives of the county to enter the permittee's premises for the purpose of inspection, observation, flow measurement, sampling and testing in accordance with Article IV, Section 4.08, of the Rules and Regulations.

IX. TRANSFER OF OWNERSHIP CONTROL

In the event of any change in the ownership of the Industrial Facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Commissioner.

X. PRETREATMENT FACILITIES

The permittee shall provide and maintain, at its expense, pretreatment of industrial wastewaters when required by the Commissioner pursuant to Article IV, Section 4.09, of the Rules and Regulations. All reports, plans and/or specifications for new or modified pretreatment facilities or changes in method of operation must be approved by the Commissioner or his designee.

XI. WASTE MATERIAL DISPOSAL

Any screening, sludge, solids, waste oils, or other waste materials removed or separated from the permittee's authorized discharge shall be disposed of in such a manner as to prevent entry of such materials into navigable waters or into the wastewater treatment system. During the months of June and December of each year the following data regarding the disposal of pretreatment process sludge shall be reported to the County of Onondaga:

- (a) The source of materials to be disposed of.
- (b) The approximate volumes and weights.
- (c) The method by which they were removed and transported.
- (d) The company contracted to remove such materials.
- (e) The final disposal or recovery location.

XII. MONITORING FACILITIES

If, in the opinion of the Commissioner, there are inadequate provisions for the collection of representative samples and accurate flow measurements, the Commissioner can require, in accordance with Article IV, Section 4.07, of the Rules and Regulations, that a monitoring facility consisting of a sampling manhole with a flow measuring device be installed by the permittee at its expense. This monitoring facility shall be approved by the Commissioner before installation. The permittee shall be responsible for all maintenance of the sampling manhole and calibration of the monitoring equipment.

XIII. SCHEDULE OF COMPLIANCE

The permittee shall comply with the following schedule:

(a) By January 1, 1988 the permittee shall be in compliance with the County effluent limitations and USEPA 40 CFR Part 413 Electroplating Pretreatment Standards detailed on pages 3 and 4 of this permit.

Failure to meet this date may result in this office proceeding with the legal action necessary to ensure compliance including the assessment of fines and/or penalties prescribed in Article VII of the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System.

XIV. COMPUTATION AND PAYMENTS OF INDUSTRIAL WASTE SURCHARGE

The permittee shall pay its proportionate share of the cost of operation and maintenance and local debt retirement of the treatment system.

These charges shall be computed by the Commissioner using the formulae in Article V, Section 5.02, of the Onondaga County Rules and Regulations.

Payments shall be made to the County of Onondaga by the permittee no less often than annually.

If there is a substantial change in the wastewater characteristics and/or flow rate introduced into the County Treatment Plant by the permittee, the industrial surcharge shall be adjusted accordingly.

XV. PERMITTEE SELF-MONITORING AND REPORTING REQUIREMENTS

In accordance with 40 CFR 403.12(e), the permittee shall submit a Periodic Report to the county during the months of June and December of each year. Detailed herein are reporting requirements for industrial users subject to the Electroplating and Metal Finishing Pretreatment Standards (40 CFR Part 413 and/or Part 433). Failure to submit the Periodic Report shall subject the industrial user to the fines and penalties prescribed under Article VII of the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System. The permittee must submit a Periodic Report which shall comply with and include the following:

- 1. A listing of the nature and concentration of all regulated pollutants in the facility's regulated process waste streams.
 - a. Each sample must be analyzed for all regulated pollutants detailed under Section III on pages 3 and 4 of this permit.
 - b. The sampling and analytical data submitted shall consist of self-monitoring data for the regulated process waste stream.
 - c. Samples shall be collected for three (3) consecutive days typical of normal production.
 - d. Samples shall be collected in accordance with the methods outlined in the regulations. Note that the sample interval for composite samples must not exceed a frequency of one sample every thirty (30) minutes.
 - e. All analyses must be performed by a NYSDOH certified laboratory.
- 2. A summary of the daily flow rates for the regulated process waste streams including both the daily average and the daily maximum flow rate for each sampling event.

- 3. A summary of the results of quarterly equipment calibration checks for the pH metering/recording device for each regulated process wastestream. The June Periodic Report shall contain March and June equipment calibration checks. The December Periodic Report shall contain the September and December equipment calibration checks.
- 4. A summary of the methods used by the permittee to sample and analyze the data and a certification that these methods conform to the outlined in the regulations.
- 5. A statement that compliance with all applicable standards is consistently achieved. If compliance is not consistently achieved, the report must include a statement as to what additional operation and maintenance and/or pretreatment equipment is necessary to achieve compliance.
- 6. The report must include data on sampling and analysis for the toxic organic compounds listed in the federal regulations. If the permittee wishes to certify that the facility does not discharge toxic organics, an industrial toxic pollutant management plan must be approved by the Commissioner. The elements of the industrial toxic pollutant management plan which must be addressed and submitted are detailed in Section XVI on page 11, of this permit.
- 7. The report must be signed by an authorized representative of the permittee.

XVI. INDUSTRIAL TOXIC POLLUTANT MANAGEMENT PLAN

A toxic pollutant management plan must be approved by the Commissioner if the permittee wishes to certify that the facility does not discharge toxic organic compounds in lieu of conducting toxic organic sampling and analysis. The elements which must be addressed in the toxic organic management plan are detailed herein.

- 1. Identify all sources (or potential sources) of toxic organics by submitting:
 - a. A wastewater flow diagram which clearly identifies all possible wastewater sources;
 - b. A list of the raw materials used in the industrial processes, including chemical additives, water treatment chemicals and cleaning agents. Identify the wastewater stream that each material potentially enters;
 - c. The method of disposal for toxic organic compounds used must be specified.
 - d. The procedures for assuring that toxic organic compounds do not spill or leak into the waste stream must be detailed.
 - e. A comparison of the toxic organic compounds found in the effluent and selection of the most probable source; and
 - f. An evaluation of any toxic organics found in the effluent, but not on the raw materials list and a determination of those formed as reaction products or by-products.
- Evaluate the various control options explored, for example: in-plant process modification, chemical substitution, partial or complete recycling, chemical reuse, neutralization, ion exchange, or operational changes.
- 3. Evaluate the effectiveness of control options employed in meeting the industrial effluent limits. If the permittee is not in compliance with the effluent standard, the permittee must choose a control option and the projected schedule for achieving compliance.
- 4. The permittee must obtain the approval of this department, as the pretreatment program Control Authority, to implement the plan for achieving compliance.

XVII. RECORD KEEPING

Records of all information resulting from self-monitoring activities shall be maintained for a minimum of three (3) years in accordance with 40 CFR 403.12(n). These records shall be available for inspection and copying by the Department of Drainage and Sanitation as the Control Authority.

XVIII. AUTHORIZATION AND AGREEMENT

HEABERT N. GERKARDT

PRINTED NAME OF PERSON SIGNING

This permit and the authorization to discharge industrial wastewater into the public sewer system shall be legally binding upon the permittee. This permit shall expire three (3) years from the date of issuance. The permittee shall not discharge after the date of expiration. In order to receive a new permit and continued authorization to discharge wastewater to the public sewer system beyond the date of expiration, the permittee shall have paid all industrial waste surcharges owed to the County of Onondaga and submit an up-to-date industrial waste questionnaire and other information as required by the Commissioner no later than 120 days prior to the expiration date.

Ву	the	authority	of		JOHN M. COMMISS		
I hereby acthis permit		to comply	with	the terms,	conditions	and requir	ements
Judy SIC AUT	<i>ff-3/</i> GNATU THORI	Color of PERM ZED REPRES		~	23 De	_ 8 7 ATE	

TITLE

GENERAL SUPER PLATING CO., INC.



5762 CELI DRIVE EAST SYRACUSE, NEW YORK 13057 (315) 446-2264 FAX (315) 446-4419

May 26, 1995

Ms. Sandy Bell-Touri County of Onondaga Department of Drainage and Sanitation 650 Hiawatha Boulevard West Syracuse, New York 13204-1194

Re: Monthly Self-Monitoring Report General Super Plating Co., Inc. Wastewater Discharge Permit #36 5762 Celi Drive East Syracuse

Dear Ms. Bell-Touri:

Enclosed please find a completed Self-Monitoring Report for the month of April, 1995 for our General Super Plating Company, Inc. facility located at 5762 Celi Drive, East Syracuse, New York.

As required by the Onondaga County Department of Drainage and Sanitation, the completed report consists of the following items:

- Form A: Analytical Data for Sewer #2
- Form C: Water Use Data for Sewer #2, and Maximum Daily Flow Rates
- Form E: Waste Manifest Disposal Summary (with accompanying manifests)
- Form F: Equipment Calibration Summary
- Form G: pH Monitoring

Additionally, a brief summary of recent changes in our waste treatment system is included with this report.

If you have any questions or comments on this report, please contact me at 446-2264.

Sincerely,

William "Woody" Southwell

Goody Southwell.

Vice President/General Manager

Attachments

G.S.P. (Celi Dr.) Co. Inc. Self Monitoring Report

Period Covered: April 1st to April 30th, 1995
Date Due: May 31st, 1995 Date Submitted: May 30, 1995
Sampling Methodologies: Grab (Y/N): Y Composite (Y/N): Y Preservation Techniques Used (Y/N): Y
Explain Sampling Methodologies: See Discharge Monitoring Report (SMR)
Water Usage During Reporting Period (gallons): 2,077,050
Source(s): Water Meter
Water Consumed and not Discharged to the Sanitary Sewer System:
Part of Product: Boiler Make-Up:
Evaporation: 13,800 SPDES:
Off-Site Disposal: Other (specify):
Number of Operating Days: 23 Number of Employees: 130
Do the Monitoring Results Show Consistent Compliance (Y/N): Y
(If No, attach additional sheets for explanation. Refer to Section XV.B.8)
Certification: I certify under penalty of law that this document and its attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that sampling and analytical methodologies employed during the collection of data required for this submission conform to accepted methods established by the United States Environmental Protection Agency (USEPA) and/or the New York State Department of Health (NYSDOH).
Signature of Preparer: William Southwell Title: Vice President/General Manager

Form A: Analytical Data for Sewer #2 (Process Wastewater)								
		·	Week #	1		Avg.		
Parameter	Effluent Limitation	Day 1 Date: 4/3/95	Day 2 Date: 4/4/95	Day 3 Date: 4/5/95	Date:	Day 2 Date: 4/18/9	Day 3 Date: 5 4/19/9	5
Cd (mg/l)	1.2	0.03	0.04	0.02	0.03	0.02	0.04	0.03
Cr (mg/l)	7.0	0.1	0.1	0.1	0.1	0.4	0.1	0.15
Hex-Cr (mg/l)	4.0	-	_		-	-	-	<u>-</u>
Cu (mg/l)	4.5	0.1	0.1	0.1	0.2	0.2	0.1	0.13
T-CN (mg/l)	1.9	0.03	0.03	0.04	0.04	0.03	0.02	0.03
CN-A		–	_	_	-	-	.	
Pb (mg/l)	0.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Ni (mg/l)	4.1	0.7	0.7	0.7	0.9	0.7	0.6 ⁻	0.72
Ag (mg/l)	1.2	0.02	0.03	0.02	0.02	0.03	0.02	0.02
Zn (mg/l)	4.2	0.05	0.03	0.05	0.03	0.05	0.04	0.04
Total Metals (mg/l)	10.5	0.95	0.93	0.95	1.23	1.35	0.84	1.04
pH (S.U.)	5.5 - 9.5	See Section XV, Part B.3						
TTO's (mg/l)	2.13	Attach official laboratory report						
O & G (mg/l)	150	Attach official laboratory report						
Flashpoint	140°F	Attach official laboratory report						
Phenols (mg/l)	4.5		., A	ttach offic	cial labora	atory repo	ort	

^{**} Attach official independent laboratory (must be NYSDOH ceritified) results for the months of March, June, September and December as required in Section XV, Part B.1.

F	form C: Water Use Data for the	Month of April 1995	for Sewer #2
Date	Wastewater Discharged (gal)	# of Production hours	Avg Flowrate (gph)
1	62,610	24.0	2609 -
2	_	-	_
3	93,820	24.0	3909
4	93,710	. 24.0	3905
5	101,290	24.0	4220
6	103,960	24.0	4332
. 7	90,000	24.0	3750
8	54,240	22.5	2411
9	-	-	-
10	94,860	24.0	3953
11	92,880	22.5	4123
12	99,290	24.0	4137
13	99,840	23.0	4341
14	- '	-	
15	-	_	
16		_	_
17	97,130	24.0	4047
18	104,370	24.0	4349
19	97,560	24.0	4065
20	101,990	23.0	4434
21	99,900	24.0	4163
22	57,680	22.5	2564
23		-	_
24	98,460	23.5	4190
25	96,240	24.0	4010
26	108,950	24.0	4540
27	101,390	24.0	4225
28	96,410	24.0	4017
29	30,470	9.75	3125
30		-	-
31	_	-	<u>-</u>

F	orm C: Water Use Da	ita for the N	fonth of April	1 1995	tor Sewer	#4
Date	Maximum Flow R	ate (gpm)	per day			
1	i 80		·			
2	<u> </u>	·				
3	89.6					
4	94.4	.,				
5	94.4					
6	96.0			<u></u>		
7 .	99.2					
8	75.2					·
9	-					·
10	99.2			·.		· · ·
11	91.2					·
12	91.2		1.	· · · · · · · · · · · · · · · · · · ·		·
13	96.0		•			
14	<u> </u>					
15	<u>.</u>					
16	_					
17	91.2					
18	100.8				<u> </u>	·
19	92.8					
20	97.6				· · · · · · · · · · · · · · · · · · ·	
21	00.2					
22	70.4				·	
23			·			
24	94.4			a,		
25	97.6				·	
26	100.8					
27	100.8					
28	96.0	·	,			
29	72.0					
30	_	1				
31	-					

Form E: Waste Material Disposal Summary (attach manifests where appropriate)							
Date	4/26/95	4/4/95					
Waste Material	Electroplating Sludge	Gold Cathode & Gold Ion Exch. Resin					
Quantity	23 Cy	35 Lbs.					
Hazardous (Y/N)	Y	Y					
USEPA/NY Classification	F006	F007 D002					
Method of Disposal and Carrier	Delisting: Delvecchio Trans.	Reclamation: RFE Industries,Inc.					
Facility's Hazardous Waste Generator I.D. Number	NYD982721656	NYD982721656					
How Created (if non- hazardous)							



P. O. Box 8550 Harrisburg, PA 17105-8550 OFFICIAL PENNSYLVANIA MANIFEST FORM

OMB No. 2050-0039 Expires 9-30-94

UNIFORM HAZARDOUS 1. Generator's US E WASTE MANIFEST N Y D 9 8 2 7		_	Mantlest ocument No.	2. Pa	ls no	mation in t require require	d by F	ederal l	aw .
3. Generator's Name and Melling Address GENERAL SUPER PLATING CO. INC.		<u> </u>	00	i	te Manifest D	-	Margal	-	
5762 CELI DRIVE, EAST SYRACUSE, N.Y. 1	3057				PAE			792	04. . 4,0
4. Generator's Phone (315) 446-2204					P 98272		· ·		
5. Transporter 1 Company Name	6. US EPA				te Trans. ID		د . د		
DELVECCHIO TRANS. & MATL. INC. P A 7. Transporter 2 Company Name	D 9 8 7		5 1 1		nsporter's Ph		3 3	343-7	2350
1			,		e Trans. ID		• • • •	343-2	\$ 75 \$ 75
9. Designated Facility Name and Site Address	10. US EPA	ID Number	•		-				· -
WRC PROCESSING COMPANY (Recycling Faci Walnut Lame, RD#5, Box 5553	LILLY	•			nsporter's Pho te Facility's ID				•
i	D 9 8 1	0 3 8	2 2 7				622	-474	7
11. US DOT Description (Including Proper Shipping Name, Hazard Ci	lass, and ID Num	nber)	12. Conta	iners Type	13. Tota Quant		14. Unit Wt/Vol	Ws	I. este No
a. ag damaabous waste, solid m.o.s., sa 3	077			1					· · · · · ·
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J. Additional Descriptions for Materials Listed Above Lab Pack Physical State Lab Pack	Phytical Su			K. Hand	iling Codes fo	v Waster	Liste	d Above	
Lab Pack Physical State-	Payagen Su	 ai .e		1 -	T59/T50	1			
				aT18	Drying	<u> </u>	, -		
b d			•	b.		d.			
5. Special Handling Instructions and Additional Information			,						
RYS HARBLING CODE - R				•		• •		•	
11226 MCY CONTACT (315) 446-2264					•				
In case of an emergency contact, CHEMIT	REC at 1-6	80 0- 424	-9300,						
24 HOURS A DAY OR REFER TO D.O.T. ZHERO	Gency Rest	PONSE G	uide 🛂						
 GENERATOR'S CERTIFICATION: I hereby declare that the classified, packed, marked, and labeled and are in all respects in proper conference. 	ontents of this cor idition for transport	nsignment are by highway a	tully and acc according to ap	urately des plicable int	ernational and i	y proper national go	shippin	g name a ent regula	and are ations.
If I am a large quantity generator, I certify that I have a program in place practicable and that I have selected the practicable method of treatment, sto	to reduce the volume	me and toxici	ty of waste ger	nerated to	the degree ! hav	e determi	ned to	be econo	mically
practicable and that I have selected the practicable method of freatment, sto and the environment; OR, if I am a small quantity generator. I have made a available to me and that I can afford	orage, or disposal of a good faith effort	currently avail to minimize n	lable to me whomy waste generated	stion and s	tes the present select the best v	and future aste mana	threat	to human t method	health that is
Printed/Typed Name	Signature	N error	1.1	,•		мо	NTH	DAY	YEAR
17. Transporter I Acknowledgement of Receipt of Materials		4			<i>d</i>	٥	4	7 6	15
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18. Transporter 2 Acknowledgement of Neceipt of Materials		Jun	750				<i>7</i> .	20	/ /
Printed/Typed Name	Signature	_				MO	NTH	DAY	YEAR
19. Discrepancy Indication Space					**		!		
Act was for WAC 33,	, 700								
20. Facility Owner or Operator: Certification of receipt of hazardous	materials covere	d by this ma	nifest excep	as noted	in Item 19.				
Printed/Typed Name			rline		•	МО	NTH	DAY,	YEAR
LEET KONVENHANDEN	1/2	//. // /	- Wareh	•		• (1	(A .	0.	フト



3-TSD MAIL TO-GENERATOR

State of New Jersey Department of Environmental Protection and Energy Hazardous Waste Regulation Program Manifest Section CN 421, Trenton, NJ 08625-0421

lease type or print in block letters. (Form designed		writer		Form Appro	oved OMB No 20	050-0039 Expires 9-30-
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. N Y D 9 8 2 7 2 1	Do	Manifest cument No.	2. Page 1 of 1		n the shaded areas ed by Federal law
3 Generator's Name and Mailing Address GR	NERAL SUPERPLATING	,		A. State Mar	nifest Document I	
•	CELI DRIVE		*			29036
	ST SYRACUSE, NY. 1	3057		B State Ger	erator's ID-(Gen.	Site Address)
4 Generator's Phone (315):446-22 5 Transporter 1 Company Name		S EPA ID Numbe	7	C State Trai	s. ID-NJDEPE	
RFE INDUSTRIES, INC.	•, •	5 5 0 0	•	O. Grain Trus	Decal No.	88958B
7 Transporter 2 Company Name		S EPA ID Numbe		D Transport	er s Phone 301	15000
		1 1 1 1 1			s ID-NUDEPE	451-0229
9 Designated Facility Name, and Site Address	ָט 0י	S EPA ID Numbe			Decai No	
RFE INDUSTRIES, INC.	•			F. Transports	eris Pache	
FOOT OF JERSEY AVENUE	·			G State Faci	lity's ID	
JERSEY CIty, NJ. 07302	ס פינא פ	55091		H. Facility's	hcne; 201;	451-0229
US DOT Description Industry Proper Shippin © Number and Packing HM	ng Name, Hazard Class or Divisio. G <mark>roup)</mark>	~	12 Cante No.		Total Join Lantity (VVVV)	on Waste No
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Additional Descriptions for Materials Listed Ab CATTIONER (Choose)	ove		. !	K. Handling	Dodes for Wastes	Listed Above
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15 GENERATOR'S CERTIFICATION: hereby de massified disched that ad and abeled, and						
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Form F: Equipment Calibration Summary							
Instrument #/Description	Date of Calibration	Results (Including Drift)	Signature and Title of Representative				
Chrome Treat	4/3/95	6.95 - 7.00	Lean Lodoin				
pH		4.00 - 4.00	Environmental Eng.				
Chrome Treat	4/19/95	6.97 - 7.00	Lean Audoin				
pH		4.01 - 4.00	Environmental Eng.				
N-1	4/3/95	7.11 - 7.00	te∝ toλοί.				
pH		4.08 - 4.00	Environmental Eng.				
N-1	4/19/95	7.07 - 7.00	tean Jadoin				
pH		4.05 - 4.00	Environmental Eng.				
N-2	4/3/95	6.7 - 7.00	for Jodon				
pH		10.0 - 10.00	Environmental Eng.				
N-2	4/19/95	7.1 - 7.00	رومہ کرماہ سے				
pH		9.9 - 10.0	Environmental Eng.				
Final	4/3/95	6.9 - 0.0 MV	Low Jodon				
pH		170.0 - 176.0 MV	Environmental Eng.				
Final		2.1 - 0.0 MV	tean lodon				
pH		-176.4 - 176.0 MV	Environmental Eng.				
		0.0MV = 7.0 -176.0 MV = 10.0					

Attach official calibration reports during the months of March, June, September, and December.

Form G: pH Monitoring								
Date	Time	рН						
No pH excedence	es for reporting per	od.						
		· .						
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		,						

April, 1995

Summary of Recent Changes in Waste Treatment System

In our efforts to continuously improve our operations while maintaining our pollution prevention strategy, the following changes have been incorporated into our processing and treatment systems to control flow streams:

- Our metals job shop room has been re-engineered, taking advantage of common tanks for specific processes in reducing the overall water use in this area by over 25% while saving on chemical usage.
- We are engineering a new automated plating line to replace our current plastic plating
 machine. The new machine will have updated automation, with enhanced flexibility in a
 physically smaller process line. It is anticipated that the overall water consumption will
 be signficantly reduced as compared to our current usage. This line will include
 evaporative recovery at etch, chrome and nickel stations. Additionally, it will incorporate
 acid recovery of the metal strip solutions.

GENERAL SUPER PLATING CO., INC.



22 CELI DRIVE EAST SYRACUSE, NEW YORK 13057 (315) 446-2264 FAX (315) 446-4419

December 30, 1992

Mr. Joseph Mastriano County of Onondaga Department of Drainage and Sanitation 650 Hiawatha Boulevard, West Syracuse, New York 13204-1194

Re: Monthly Self-Monitoring Report General Super Plating Cmpany, Inc. Wastewater Discharge Permit #36 22 Celi Drive

Dear Mr. Mastriano:

Eclosed please find a completed Self-Monitoring Report for the month of November 1992 for our General Super Plating Company, Inc. facility located at 22 Celi Drive in East Syracuse, New York.

As required by the Ononoaga County Department of Drainage and Sanitation, the completed report consist of the following items:

- o Form A: Analytical Data for Sewer #2
- o Form C: Water use Data for Sewer #2
- Form E: Waste Manifest Disposal Summary (with accompanying manifests)
- o Form F: Equipment Calbration Summary

If you have any questions or comments on this report, please contact me at 446-2264.

Sincerely,

Rodney Campbell

Environmental Coordinator

^a Fo	Form A: Analytical Data for Sewer # 2 (Process Wastewater)								
Parameter	Daily Effluent Limitation	Day 1 Date: Nov. 2	Day 2 Date: Nov. 3	Day 3 Date: Nov. 4	Day 1 Date: Nov. 16	Day 2 Date: Nov. 17	Day 3 Date: Nov. 18	Avg.	
Cd (mg/l)	.11	.01	.02	.04	.02	.03	.03	.03	
Cr (mg/l)	2.77	1.3	.9	1.1	.5	.2	.1	.68	
Cu (mg/l)	3.38	.2	.9	. 5	.6	.4	.1	.45	
T-CN (mg/l)	1.20	.02	.02	.03	.02	.03	.04	.03	
Pb (mg/l)	.69	.1	.1	.1	.1	.1	.1	.1	
Ni (mg/l)	3.98	1.1	.6	.8	1.7	1.9	. 9	1.17	
Ag (mg/l)	.43	.01	.02	.01	.02	.02	01	.02	
Zn (mg/l)	2.61	.01_	.03	.03	.01	.02,	.01	.02	
pH (S.U.)	5.5 - 9.5	8.8	8.6	8.5	8.5	8.6	8.2	N/A	
TTO's (mg/l)					• .		·		

^{**} Attach official independent laboratory (must be NYSDOH ceritified) results for the months of March, June, September and December as required in Section XV, Part 2 of Permit # 36

F	orm C: Water Use Data for the	Month of November	for Sewer # 2
Date	Wastewater Discharged (gal)	# of Production hours	Avg Flowrate (gph)
1	100	PRODUCTION	
. 2	53,890	13	4,145
3	63,867	14	4,562
4	58,816	13	4,524
5	67,793	15	4,520
6	57,011	14	4,072
7.	NO .	PRODUCTION	
8	ио	PRODUCTION	
9	48,580	13	3,737
10	56,120	13	4,317
11	57,720	13	4,440
12	68,810	14	4,915
13	66,931	13	5,149
14	NO	PRODUCTION	
15	NO	PRODUCTION	
16	39,658	14	2,833
17	60,571	16	3,786
18	58,685	13	4,514
19	47,060	12	3,922
20	56,125	13	4,317
21	NO	PRODUCTION	
22	NO	PRODUCTION	
23	68,633	16	4,290
24	58,364	15	3,891
25	40,015	14	2,858
26	NO	PRODUCTION	
27	NO	PRODUCTION	
28	NO	PRODUCTION	
29	NO	PRODUCTION	
30	44,772	16	2,798

Form E: Waste Material Disposal Summary (attach manifests where appropriate)

Date	Waste Material	Quantity	Hazardous (Y/N)	USEPA/NY Classification	Method of Disposal and Carrier
11/10/92		6	Y	UN1935	Reclaimation/RFE Industries Inc.
	CYANIDE SOLUTION				
				·	
-	•				
		,			
•	. ·				
	-				

^{**} Attach USEPA Toxic Chemical Release Inventory Reporting Form R in July SMR as required in Section XV, Part 6 of Permit #36



State st New Jersey Department of Environmental Protection Division of Hazardous Waste Management Manifest Section CN 028, Trenton, NJ 08625 se on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-9:

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			IFORM HAZARDOUS WASTE MANIFEST	1. Generator's US E 필인 마일 13 12		Ban.	nifest nent No.	2. Page 1	is not law.	requii	the snaded are)85 ra:
	3.	Gener	ator's Name and Mailing Address		Perplating	Tac.		A. State A	lanifest Docu			•
			-	UL CELL DE		,		B. State C	ienerator's ID		5900	
	4.	Gener	ator's Phone (313) 22.54.	oraduus Taa	E, XI 130	يد والت	•	SAM		-		
			porter 1 Company Name	6.	US EPA	D Number				<u>`</u>		· .
			ndustries, Inc.	N N	<u> 15 15 15 15 15 15 15 15</u>		2 ;		rans. ID:		unna	
	7.	Transp	porter 2 Company Name -	8.	US EPA	D Number		D. Transp E. State T		C01	451-0229	
	9	Design	lated Facility Name and Site Address	10.	US EPA	ID Numper		L. Otato i	Taris. ID			<u> </u>
			navedoless, ime Si Jersen Avenue		٠			F. Transpo	rter's Phone	(, 🔧)		
			, Cisy, as 07302	•			. •	G. State F			me .	
				Ai J		<u> 5 12 15 15 1</u>	12. Cont		's Phone (' <u>^</u>): 13.	31) <u>4</u>	51-000	
	11.	US DO HM	T Description (Including Proper Sha	pping Name, Hazard Cla	ass, and ID Numbe	r) .	No.		Total Quantity	Unit Wt/Vol	Waste No.	
G	a.		ad, Wasta Caraci	. sulmiton. Ri	o.s. Potso	N B						•
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			nal Descriptions for Materials Listed		i Alexandria e matematica		<u> </u>	K. Handli	ng Codes for	Wastes L	isted Above	25
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			, 6% NaSH, U-6-1.2%					70	1 014			
	15.	Specia	Andling instructions and Addition	al Information			· · ·	₽. ♣		10.	<u> </u>	
	023 3	ANID	E GERRING MATERIAL C	ONTAINS PRECI	CUS HETALS	FOR R					RCH, 4010ಕ	, · : -
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			RATOR'S CERTIFICATION: I hereby	 	ts of this consignm			urately desc)v		1,
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		If I am a	a large quantity generator,1 certify th nically practicable and that I have sele	at I have a program in pla	ice to reduce the vo	iume and to	xicity of w	aste genera	ted to the deg	ree I have	e determined to t	oe od
		future t	hreat to human health and the enviror it waste management method that is	ment: OR, if I am a small	quantity generator.	I have made	a good ta	ith effort to	minimize my v	vaste ger	neration and sele	ct
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H CHROME	ription	Calibration	Results (Including Drift)	Signature and Title of Representative		
		11/2/92	7=6.9 4-10=3.9-9.8	Rodney Campbell Environmental Coordinato		
N-1		11/2/92	7=6.7 4-10=3.8-9.7	Rodney Campbell Environmental Coordinato		
N-2		11/2/92	7=6.8 4-10=3.9-9.8	Rodney Campbell Environmental Coordinato		
FINAL		11/2/92	7=7.0 4-10=3.9-9.9	Rodney Campbell Environmental Coordinato		
		,				

GSP

GENERAL SUPER PLATING CO., INC.

5762 CELI DRIVE EAST SYRACUSE, NEW YORK 13057 (315) 446-2264 FAX (315) 446-4419

July 30, 1996

Ms. Sandy Tuori-Bell County of Onondaga Department of Drainage and Sanitation 650 Hiawatha Boulevard West Syracuse, New York 13204-1194

Re: Semi-Annual Self-Monitoring Report General Super Plating Co., Inc. Wastewater Discharge Permit #36 5762 Celi Drive

Dear Ms. Tuori-Bell:

Enclosed please find a completed Self-Monitoring Report (and Semi-Annual Report) for the month of June, 1996 for our General Super Plating Company, Inc. facility located at 5762 Celi Drive, East Syracuse, New York.

As required by the Onondaga County Department of Drainage and Sanitation, the completed report consists of the following items:

- Form A: Analytical Data for Sewer #2
- Form B1: Toxic Organic Monitoring for Sewer #1
- Form B2: Toxic Organic Monitoring for Sewer #2 (*)
- Form C1: Water Use Data for Sewer #1
- Form C2: Water Use Data for Sewer #2, and Maximum Daily Flow Rates for Sewer #2
- Form E: Waste Manifest Disposal Summary (with accompanying manifests)
- Form F: Equipment Calibration Summary
- Form G: pH Monitoring

July 30, 1996 Ms. Sandy Tuori-Bell OCDDS

RE: Semi-annual Self Monitoring Report 5762 Celi Drive Wastewater Discharge Permit #36

- Attachment 1: Quarterly Laboratory Analysis Reports for sampling dates June 12 - 14, 1996 and June 25 - 28, 1996; Semi-annual Laboratory Analysis Reports for sampling dates June 12, 1996 from Upstate Laboratories, Inc.
- ♦ Attachment 2: Quarterly Certified Equipment Calibration Summary

If you have any questions or comments regarding these attachments, please contact me at 446-2264.

Sincerely,

William W. Southwell

Vice President, General Manager

General Super Plating (IC #29) Self Monitoring Report Form A

Period Covered: June 1, 1996 to Ju	ne 30, 1996	
Date Due: July 30, 1996	Date Submitted:	July 30, 1996
Explain Sampling and Preservation Meth	odologies:	
See Discharge Monitoring Report (SMR)	
, and the same of	,	
	`	
Water Usage During Reporting Period (ga	allons):	2,442,146
Source(s): <u>Water me</u>		
Water Consumed but not Discharged to t		
Boiler Make-Up:52.3	80 Evapo	oration:
Other (specify):Sa	nitary Sewer (#1) 139,4	16
Total Wastewater Discharged :		2,179,749 (SEWER #2)
Number of Operating Days:	30	Number of Employees: 120
Do the Monitoring Results Show Full Cor	npliance (Y/N):	Y
(If No, attach additional sheets for	r explanation. Refer to s	Section XV.B.10)
direction or supervision in accordate gather and evaluate the information system, or those persons directly to the best of my knowledge and significant penalties for submitting knowing violations. I further certical collection of data required for this States Environmental Protection	on submitted. Based of responsible for gathering of belief, true, accurated false information, including that sampling and assubmission conform to Agency (USEPA) and/og control discharge plandon	and its attachments were prepared under my med to assure that qualified personnel properly on my inquiry of the persons who manage the g the information, the information submitted is and complete. I am aware that there are ding the possibility of fine and imprisonment for analytical methodologies employed during the accepted methods established by the United or the New York State Department of Health that was formally approved by the county, has
Signature of Authorized Representative:	Vice Brook	Sent / General Manager

	Form	B1: Analyt	ical Data Se	wer #1 ⁷		
Parameter	Effluent Limit ⁸	Sample Type ⁹	Day 1: Date 6/25/96	Day 2: Date 6/26/96	Day 3: Date 6/27/96	Average
Cd (mg/l)	2.0	C				
Cr (mg/l)	8.0	С	0.16	0.18	0.13	0.16
Hex-Cr (mg/l)	4.0	С				
Cu (mg/l)	5.0	С				
T-CN (mg/l)	3.0	G Ç	<0.01	<0.01	<0.01	<0.01
CN-A (mg/l)	***	G	<0.01	<0.01	<0.01	<0.01
Pb (mg/l)	1.0	Ç	<0.1	<0.1	<0.1	<0.1
Ni (mg/l)	5.0	С	0.08	0.04	0.04	0.05
Ag (mg/l)	1.0	C				
Zn (mg/l)	5.0	C	0.15	0.09	0.07	0.1
Hg (µg/l)	20	C				
Mo (mg/l)	***	С	<0.01	<0.01	<0.01	<0.01
BOD ₅ (mg/l)		C C	19	36	19	24.7
TSS (mg/l)	***	С	16	24	7.5	15.8
TP (mg/l)		C	1.9	1.9	1.7	1.8
TKN (mg/l)	***	C	28	25	37	30
O & G (mg/l)	150	G	.9	12	18	13
Phenols (mg/l)	4.5	G				
Flashpoint	140 °F	G	,	·		
pH (S.U.)	5.5-9.5	G			的	
pH (S.U.)	5.5-9.5	CONT	7	Attach pH Reco	rder Charts	
TTOs ¹⁰	***	Ç. G				
Flowrate	***	CONT				
	The Fo	ollowing Lines	Are For OCDDS	Use Only		
OCDDS Gr	ab Sample Numl	ber				
OCDDS Comp	oosite Sample Nu	ımber				
	ENCO					
Acce	ptance Code					

Attach official laboratory reports and chain of custody records, and copies continuous recording flow and pH charts.

⁸ The symbol *** indicates that there is no applicable limit for this parameter.

⁹ C - Composite Sample, G - Grab Sample, CONT - Continuous Recording

TTOs are defined as the sum of the detectable concentrations of the parameters listed in Section XV of this permit.

	Form B2:	Analytical D	ata – Sewer #2	*11 ULI		
Parameter	Effluent Limit ^{*12}	Sample Type *13	Day 1: Date 6/12/96	Day 2: Date 6/13/96	Day 3: Date 6/14/96	Average
Cd (mg/l)	1.2	С	<0.005	<0.005	<0.005	<0.005
Cr (mg/l)	7.0	С	0.039	0.093	0.18	0.104
Hex-Cr (mg/l)	****	C	0.04	0.09	0.2	0.11
Cu (mg/l)	4.5	С	0.11	0.11	0.07	0.1
T-CN (mg/l)	1.9	G	<0.01	<0.01	<0.01	<0.01
CN-A (mg/l)	***	G	<0.01	<0.01	<0.01	<0.01
Pb (mg/l)	.6	C	<0.1	<0.1	<0.1	<0.1
Ni (mg/l)	4.1	С	0.73	0.81	0.48	0.67
Ag (mg/l)	1.2	С	<0.05	<0.05	<0.05	<0.05
Zn (mg/l)	4.2	С	0.02	<0.01	0.01	<0.01
Hg (µg/l)	20	C				
Mo (mg/l)	***	С				
Total Metals (mg/l)	10.5	C	0.899	1.023	0.74	0.887
BOD ₅ (mg/l)	**	С				
TSS (mg/l)		, c				
TP (mg/l)	***	С		` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `		
TKN (mg/l)		C				
O & G (mg/l)	150	G	<5.0			
Phenois (mg/l)	4.5	G.	<0.005			
Flashpoint (°F)	140	G.	>60degC			
pH (S.U.)	5.5-9.5	G	9.0	8.8	9.0	8.9
pH (S.U.)	5.5-9.5	CONT	- At	tach pH Reco	order Charts	
TTOs ^{*14} (mg/l)	2.13	G				
Flowrate	***	CONT				
	The Fol	lowing Lines	Are For OCDDS	S Use Only		
OCDDS Gra	ab Sample Num	nber			9. 化数数形式 Y	
OCDDS Comp	osite Sample N	lumber				
	ENCO					
Acce	ptance Code		And the second s			

^{*11} Attach official laboratory reports and chain of custody records, and copies of continuous recording flow and pH charts.

The symbol *** indicates that there is no applicable limit for this parameter.

^{*13} C - Composite Sample, G - Grab Sample, CONT - Continuous Recording

^{*14} TTOs are defined as the sum of the detectable concentrations of the parameters listed in Section XV of this permit.

	Form B2:		ata - Sewer #2	"11" GSP	• • • • • • • • • • • • • • • • • • •	
Parameter	Effluent Limit *12	Sample Type *13	Day 1: Date 6/12/96	Day 2: Date 6/13/96	Day 3: Date 6/14/96	Average
Cd (mg/l)	1.2	С	0.005	0.005	0.005	0.005
Cr (mg/l)	7.0	С	0.01	0.01	0.11	0.04
Hex-Cr (mg/l)	i ka ka k ati katin Kating Tidayi	C				
Cu (mg/l)	4.5	Ċ	0.04	0.04	0.03	0.04
T-CN (mg/l)	1.9	G	<0.01	<0.01	<0.01	<0.01
CN-A (mg/l)	***	G				
Pb (mg/l)	.6	C	<0.1	<0.1	<0.1	<0.1
Ni (mg/l)	4.1	С	0.39	0.38	0.22	0.33
Ag (mg/l)	1.2	C	0.05	0.04	0.05	0.05
Zn (mg/l)	4.2	С	0.03	0.04	0.05	0.04
Hg (µg/l)	20	C				
Mo (mg/l)	***	С				
Total Metals (mg/l)	10.5	C	0.47	0.47	0.41	0.45
BOD ₅ (mg/l)	***	С				
TSS (mg/l)		C				
TP (mg/l)	***	C				
TKN (mg/l)	. San de la c omposition de la composition dell	Ć				
O & G (mg/l)	150	G			·	
Phenois (mg/l)	4.5	G				
Flashpoint (°F)	140	G	·			
pH (S.U.)	5.5-9.5	G	8.5	8.8	9.0	8.9
pH (S.U.)	5.5-9.5	CONT	At	tach pH Reco	rder Charts	
TTOs ^{*14} (mg/l)	2.13	G				
Flowrate	***	CONT				
	The Foll	lowing Lines	Are For OCDDS	S Use Only		
OCDDS Gra	ab Sample Num	nber				
OCDDS Comp	osite Sample N	lumber				
	ENCO					
Acce	ptance Code					

^{*11} Attach official laboratory reports and chain of custody records, and copies of continuous recording flow and pH charts.

^{*12} The symbol *** indicates that there is no applicable limit for this parameter.

^{*13} C - Composite Sample, G - Grab Sample, CONT - Continuous Recording

^{*14} TTOs are defined as the sum of the detectable concentrations of the parameters listed in Section XV of this permit.

	Form B2:	Analytical D	ata Sewer #2	"11" ULI	· · · · · · · · · · · · · · · · · · ·	
Parameter	Effluent Limit *12	Sample Type *13	Day 1: Date 6/25/96	Day 2: Date 6/26/96	Day 3: Date 6/27/96	Average
Cd (mg/l)	1.2	C	<0.005	<0.005	<0.005	<0.005
Cr (mg/l)	7.0	С	0.32	0.05	0.1	0.16
Hex-Cr (mg/l)	Japan (••• •) (1 °°)	C	0.22	0.03	0.06	0.1
Cu (mg/l)	4.5	С	0.04	0.06	0.11	0.07
T-CN (mg/l)	1.9	G	<0.01	0.02	0.01	<0.01
CN-A (mg/l)	***	G	<0.01	<0.01	<0.01	<0.01
Pb (mg/l)	.6	C	<0.1	<0.1	<0.1	<0.1
Ni (mg/l)	4.1	С	0.78	1.1	1.6	1.16
Ag (mg/l)	1.2	C	0.12	<0.05	<0.05	<0.07
Zn (mg/l)	4.2	С	0.04	0.03	0.05	0.04
Hg (µg/l)	20	С				
Mo (mg/l)	***	С				
Total Metals (mg/l)	10.5	C	1.18	1.24	1.86	1.43
BOD ₅ (mg/l)	***	С				
TSS (mg/l)	***	C				
TP (mg/l)	***	С				
TKN (mg/l)	***	C				
O & G (mg/l)	150	G				
Phenols (mg/l)	4.5	G				
Flashpoint (°F)	140	G				
pH (S.U.)	5.5-9.5	G	7.9	8.4	8.0	8.1
pH (S.U.)	5.5-9.5	CONT	At	tach pH Reco	order Charts	
TTOs ^{*14} (mg/l)	2.13	G				
Flowrate	***	CONT				
			Are For OCDDS	S Use Only		
OCDDS Gr	ab Sample Nun	nber				
OCDDS Comp	osite Sample N	lumber				
	ENCO					
Acce	ptance Code					

^{*11} Attach official laboratory reports and chain of custody records, and copies of continuous recording flow and pH charts.

^{*12} The symbol *** indicates that there is no applicable limit for this parameter.

^{*13} C - Composite Sample, G - Grab Sample, CONT - Continuous Recording

^{*14} TTOs are defined as the sum of the detectable concentrations of the parameters listed in Section XV of this permit.

	Form B2:	Analytical Da	ita - Sewer #2	"11 GSF	•	
Parameter	Effluent Limit *12	Sample Type *13	Day 1: Date 6/25/96	Day 2: Date 6/26/96	Day 3: Date 6/27/96	Average
Cd (mg/l)	1.2	C	0.005	0.004	0.005	0.005
Cr (mg/l)	7.0	С	0.15	0.01	0.01	0.06
Hex-Cr (mg/l)	***	C				
Cu (mg/l)	4.5	С	0.02	0.02	0.03	0.02
T-CN (mg/l)	1.9	G	<0.01	<0.01	<0.01	<0.01
CN-A (mg/l)	***	G				
Pb (mg/l)	: .6 ().	A C	<0.1	<0.1	<0.1	<0.1
Ni (mg/l)	4.1	С	0.42	1.45	1.69	1.19
Ag (mg/l)	1.2	C	0.05	0.05	0.05	0.05
Zn (mg/l)	4.2	С	0.06	0.03	0.03	0.04
Hg (µg/l)	20	C				
Mo (mg/l)	***	С		<u>, </u>		
Total Metals (mg/l)	10.5	C	0.65	1.51	1.76	1.31
BOD ₅ (mg/l)	***	С			,	
TSS (mg/l)		С				
TP (mg/l)	***	С				
TKN (mg/l)		C				
O & G (mg/l)	150	G				
Phenois (mg/l)	4.5	G				
Flashpoint (°F)	140	G				
pH (S.U.)	5.5-9.5	G	8.5	8.9	8.3	8.6
pH (S.U.)	5.5-9.5	CONT	At	tach pH Rec	order Charts	
TTOs ^{*14} (mg/l)	2.13	G				
Flowrate	***	CONT				
·	The Fol	lowing Lines	Are For OCDDS	Use Only		
OCDDS Gra	ab Sample Nun	nber				
OCDDS Comp	osite Sample N	lumber		· · · · · · · · · · · · · · · · · · ·		
	ENCO			Tall the gradual		
Acce	ptance Code					

^{*11} Attach official laboratory reports and chain of custody records, and copies of continuous recording flow and pH charts.

^{*12} The symbol *** indicates that there is no applicable limit for this parameter.

^{*13} C - Composite Sample, G - Grab Sample, CONT - Continuous Recording

^{*14} TTOs are defined as the sum of the detectable concentrations of the parameters listed in Section XV of this permit.

Date	Wastewater Discharged (gal)	Number of Production Hours	Average Flowrate (gpm)
	4671	24	3.2
2	5421	24	3.8
3	4195	24	2.9

Forr	n C2: Water Use I	Data for the Mont	th of JUNE for S	ewer #2
Date	Wastewater Discharged Daily (gpd)	Number of Production Hours	Maximum Flowrate (gpm)	Average Flowrate (gpm)
1,000	67865	24.0	75.2	47.1
2	58848	22.5	56.0	43.6
3	55904	23.0	60.8	40.5
4	78525	24.0	80.0	54.5
5	84007	23.0	83.2	60.9
6	83053	23.0	83.2	60.2
7	81795	23.5	76.8	58.0
8	70355	23.0	78.4	51.0
9	41335	23.5	48.0	29.3
10	51695	23.0	80.0	37.5
1	72058	23.0	67. 2	52.2
12	79702	23.5	83.2	56.5
13	85726	23.0	76.8	62.1
14	90954	23.5	76.8	64.5
15	64617	23.0	76.8	46.8
16	64617	22.0	56.0	49.0
17	73236	24.0	80.0	50.9
18	90606	24.0	80.0	62.9
19	95131	24.0	91.2	66.1
20	95098	24.0	76.8	66.0
21	90420	24.0	84.8	62.8
22	86740	23.5	72.0	61.5
23	44666	21.5	68.8	34.6
24	71839	24.0	88.0	50.0
25	89877	23.0	83.2	65.1
26	92419	23.5	86.4	65.6
27	86774	23.5	80.0	61.5
28	73399	23.5	75.2	52.1
29	53557	23.0	56.0	42.2
30	62234	23.0	49.6	43.6
31				
	Monthly	Average		53.3

		Form D: B	atch Discharge Summary	
Date	Contents	Quantity	Discharge Procedures	Signature
None				

Date	6/6/96	6/27/96	
Waste Material	Electroplating sludge	Electroplating sludge	
Quantity	26 CY	26 CY	
Hazardous (Y/N)	Y	Y	
USEPA/NYSDEC Classification	F006	F006	
Method of Disposal and Carrier	Delisting Delvecchio Trans. & Mati.	Delisting	
Facility's Hazardous Waste Generator I.D. Number	NYD982721656	NYD982721656	
How Created (if non- hazardous)			

This form is to be utilized for materials that are removed or separated from the permittee's wastewater effluent and disposed of in a manner other than the sanitary sewer system.



Bureau of Waste Management P. O. Box 8550

P. O. Box 8550

Harrisburg, PA 17105-8550

OFFICIAL PENNSYLVANIA MANIFEST FORM

Form approved.
OMB No. 2050-0039
Expires 9-30-94

4	UNIFORM HAZARDOUS 1. Generator's US EPA		Manifest Document No.	2. Page		ion in the s quired by F	haded areas ederal law
	WASTE MANIFEST 1 Y D y D 2 7 3. Generator's Name and Mailing Address	1000	0007	i.		quired by S	
	3. Generator's Name and Mailing Address			A. State Manifest Document Number PAE 3409943			
	Divisional brive, EAST STRACUSE, N. F. 11	3v57		B. State (~		
	4. Generator's Phone (زير) عنوناند			MYS	98272163	Sú	
		6. US EPA ID Num	ber	C. State 1			•
	7. Transporter 2 Company Name	9 3 7 3 3	<u> </u>	PA-	la al	<u> </u>	3 3
	7. Transporter 2 Company Name	8. US EPA ID Num	ber	E. State T	orter's Phone	(/1/)3	343-2330
	9. Designated Facility Name and Site Address	10. US EPA ID Nui	nber	PA-		;	
and PROGRESSIVE COMPANY (RESOURCED Facility) F. Transporter's Phone ()					()	·	
	All ut Erri, 2015, 301 5353				acility's ID		
	Accessing, 2a. 17331 19'A 0	9 5 1 5 3			/'s Phone (7 į		
	11. US DOT Description (Including Proper Shipping Name, Hazard Class,	and ID Number)	12. Contai		13. Total	14. Unit	I. Waste No.
	a		No.	Туре	Quantity	Wt/Vol	
	ing luinkhed masii, solid M.O.S., Ha 307	t_{I}					
	21 11 (1906) Class 9		026	OA C	1002	6 Y	7006
G E	b.						
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RA	C.						<u> </u>
T							
OR							
	d.						·
	· · · · ·	٠.,					
	J. Additional Descriptions for Materials Listed Above			K. Handlin	g Codes for W	/astes Liste	d Above
	Lab Pack Physical State Lab Pack	Physical State		T23/T5	_		
	a	<u> </u>	The second of the second	_	-	c	<u> </u>
	b. d.		• •	_			
1	15. Special Handling Instructions and Additional Information			b.	1	d.	
	alu alu lalug doba - k						į
	Line is more contacting (Die) 4-15-124						
	فالمتناق وتنجافاه والهجاء وتعادل الماسان الماسان						
	16. GENERATOR'S CERTIFICATION: I hereby declare that the conte			urately descri	bed above by p	roper shippii	ng name and are
	classified, packed, marked, and labeled and are in all respects in proper condition	on for transport by high	way according to app	olicable intern	ational and natio	nal governm	ent regulations.
1 :	If i âm a large quantity generator, I certify that I have a program in place to re	educe the volume and	toxicity of waste gen	erated to the	degree ! have d	etermined to	be economically
1 1	practicable and that thave selected the practicable method of freatment, storage and the environment 'OR, if I am a small quantity generator I have made a go available to me and that it can afford.	pe, or disposal currently ood faith effort to minir	nize my waste genera	ation and sele	the present and ect the best waste	e manageme	nt method that is
	Printed/Typed Name	Signature	<u> </u>			MONTH	DAY YEAR
<u>V</u>	7. Transporter 1 Acknowledgement of Acceigt of Materials	3.70	3000			36	0696
	Printed/Typed Name	Signature	13 1	 -		MONTH	DAY YEAR
S .	Chester Sob he si	Chist	- Jal - L	<u>,</u>		166	0696
Q :	18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name	Signature				MONTH	DAY YEAR
E :						1 1	
F	19. Discrepancy Indication Space						j
A	19. Discrepancy Indication Space ACTUAL WT OMITTED		1 11				į
Ī	ACTUAL WT. FOR WRC RECORDS 48,663 -M						
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Y			mn = 0 f			MONTH	
	STOVE MISLAW	I Allera	milhae	<u> بن</u>		0/4	لعكتلك

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P. O. Box 8550 Harrisburg, PA 17105-8550 OFFICIAL PENNSYLVANIA MANIFEST FORM

OMB No. 2050-0039 Expires 9-30-94

UNIFORM HAZARDOUS 1. Generator's US EPA ID No. WASTE MANIFEST 1. C 2 3 3 2 7 2 1 6	, Docu	anifest Iment No. O_O_T	2. Page of	is not re	ition in the si equired by Fo equired by Si	derai law
3. Generator's Name and Mailing Address			,	Manifest Doc		·
iminama super lating co., inc.				PAE 3	4033	134
Sind dank drive, East Stracuse, M.T. 13057			,	Gen. ID 5 9827216	.56	
. Generator's Phone (3 த ்) ஆக்கு ஆக்கு இருந்தின் கூறு இது இது இது இது இது இது இது இது இது இத	EPA ID Number			Trans. ID	90	
1			PA		1 . 2 .	2.1
Fransporter 2 Company Name 8. US	EPA ID Number	2, i i		sporter's Phone	• (717) s	43-1350
				Trans. ID	,,,,	43 2330
	EPA ID Number		(PA-	· 1 1		1
And Persusulation don Pany (superdisper Products)	,	·	F. Trans	sporter's Phone	()	
ം പാർ ചെന്നു. <i>2018</i> 5, 362-3553				Facility's ID		•
22.2 Walle, Pa. 4/304 / PAJ 9 6	1 9 3 3	1 1		ity's Phone (7		-4747
US DOT Description (Including Proper Shipping Name, Hazard Class, and ID	Number)	12. Contair	1	13. Total	14. Unit	l. Waste No
		No.	Туре	Quantity	Wt/Voi	
we wanteduced landite, solled history an 1977			ļ			•
25 LLL (2006) CLASS 9	1	- 2 /	aal	A A A A		300
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Additional Descriptions for Materials Listed Above Lab Pack Physical State Lab Pack Physic	al State	.	K. Hand	ling Codes for	Wastes Lister	d Above
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			a-TI3	Drying	<u>c</u>	·
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Special Handling Instructions and Additional Information			<u>. </u>] u.	
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The manufacture of the state of						
and a trace our act water graduly confuded a Charletticate is	1-300-4 4-	- 33:50				
	KESPUMBS A			•		
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the classified, packed, marked, and labeled and are in all respects in proper condition for training.	nis consignment are to	fully and accu	rately des	cribed above by	proper shippin	g name and are
onesomed, packed, marked, and rabeled and are in an respects in proper condition for trail	maport by illigitway act	Joining to app	auto iiile	ananonal anu lidi	Jonar governine	, cyalations.
If I am a large quantity generator, I certify that I have a program in place to reduce the practicable and that I have selected the practicable method of treatment, storage, or dis	e volume and toxicity	of waste gen	erated to ti	ne degree I have	determined to	be economically
and the environment: OR, if I am a small quantity generator. I have made a good faith available to me and that I can afford	effort to minimize my	waste genera	tion and se	elect the best was	ste managemen	it method that is
Printed/Typed Name Signa	ture	` .			MONTH	DAY YEAR
A CALL COLOR OF TAX TO CHARLES ON THE COLOR OF THE CALL COLOR OF T	1 1	11.00				. " / .
17 Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signa	nture				MONTH	DAY YEAR
Gene Koca	Ka.				10 61	37174
8. Transporter 2 Acknowledgement of Receipt of Materials					If-/	
Printed/Typed Name Signa	ture				MONTH	DAY YEAR
. Discrepancy Indication Space	U2 (170 =		•		
	110		E1			
which we was DRC. Keens	5		163	5		
20. Facility Owner or Operator: Certification of receipt of hazardous materials of		ifest except	as noted	in Item 19.		
Printed/Typed Name Signal	ture	. \		11 6	MONTH	DAY YEAR

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete

Form F: Equipment Calibration Summary						
Instrument #/Description	Date of Calibration	Results (Including Drift)	Signature and Title of Representative			
Chrome Treat pH	6/13/96	7.03 - 7.00 3.85 - 4.00	Env. Engineer			
Chrome Treat pH	6/21/96	7.01 - 7.00 3.95 - 4.00	Env. Engineer			
N - 1 pH	6/13/96	6.98 - 7.00 3.91 - 4.00	Env. Engineer			
N - 1 pH	6/21/96	7.09 - 7.00 4.06 - 4.00	Env. Engineer			
N - 2 pH	6/13/96	6.7 - 7.0 10.0 - 10.0	Env. Engineer			
N - 2 pH	6/21/96	6.9 - 7.0 10.1 - 10.0	Env. Engineer			
Final pH	6/13/96	-5.7 mV - 0.0 mV -186.7 mV177.0 mV	کوم کی کی کی Env. Engineer			
Final pH	6/21/96	10.0 mV - 0.0 mV -190.1 mV177.0 mV	Sear Jacks ~ Env. Engineer			
<u></u>						
		0.0 mV = 7.0				
		- 177.0 mV = 10.0				

Form G: pH Excursions							
Date	pH (Limit: 5.5-9.5)	Duration	Explanation for Excursion				
			None for sewer #2				
6/12/96	5.2	<2 min	SEWER #1(Sanitary)				
			See Notification Letter dated June 17, 1996				
			٦				
,							

Upstate Laboratories inc.

Shipping: 6034 Corporate Dr. • E. Syracuse, NY 13057-1017 • (315) 437-0255 • Fax (315) 437-1209

Mailing: Box 289 • Syracuse, NY 13206

Buffalo (716) 662-2118 Rochester (716) 436-9070

Albany (518) 459-3134 Binghamton (607) 724-0478

June 28, 1996

Rochester (716) 436-9070 New Jersey (201) 703-1324

Mr. William Southwell Vice-President, General Mgr. General Super Plating Co., Inc. 5762 Celi Dr. E. Syracuse, NY 13057

Re: Analysis Report #16496111 - Semi-Annual

Dear Mr. Southwell:

Please find enclosed the results for your sample which was collected by ULI personnel on June 12, 1996.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your sample. Samples will be disposed of approximately one month from final report date.

Should you have any questions, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.

Anthony J. Scala

Director

AJS/lw

Enclosures: report, invoice

cc/encs: N. Scala, ULI

file

Note: Faxed results were given to your office on 6/28/96. AJS

Disclaimer: The test results and procedures utilized, and laboratory interpretations of data obtained by ULI as contained in this report are believed by ULI to be accurate and reliable for sample(s) tested. In accepting this report, the customer agrees that the full extent of any and all liability for actual and consequential damages of ULI for the services performed shall be equal to the fee charged to the customer for the services as liquidated damages.

DATE: 06/28/96

Upstate Laboratories, Inc.

Analysis Results

Report Number: 16496111.

Client I.D.: GENERAL SUPER PLATING, INC.

Sampled by: ULI

SEMI-ANNUAL

SEWER 2 PRETREATMENT 1000H 06/12/96 G

I I.D.: 16496111	Matrix: Water		·
ARAMETERS	RESULTS	KEY	FILE#
Flash Point	>60degC		WB334
Oil & Grease	<5mg/l	•	WB339
Total Phenols	<0.005mg/l		WB334
EPA Method 601			
Dichlorodifluoromethane	<5ug/l	01	VA225
Chloromethane	<5ug/l	01	VA225
Vinyl Chloride	<5ug/l	01	VA225
Bromomethane	<5ug/1	01	VA225
Chloroethane	<5ug/l	01	VA225
Trichlorofluoromethane	<5ug/l	01	VA225
1,1-Dichloroethene	<5ug/l	01	VA225
Methylene Chloride	<25ug/l	01	VA225
cis-1,2-Dichloroethene	<5ug/l	01	VA225
trans-1,2-Dichloroethene	<5ug/l	01	VA225
1,1-Dichloroethane	<5ug/l	01	VA225
Chloroform	11ug/1		VA225
1,1,1-Trichloroethane	<5ug/l	01	VA225
Carbon Tetrachloride	<5ug/1	01	VA225
1,2-Dichloroethane	<5ug/l	. 01	VA225
Trichloroethene	<5ug/l	01	VA225
1,2-Dichloropropane	<5ug/l	01	VA225
Bromodichloromethane	<5ug/l	01.	VA225
2-Chloroethylvinylether	<5ug/l	01	VA225
cis-1,3-Dichloropropene	<5ug/l	01	VA225
trans-1,3-Dichloropropene	<5ug/l	01	VA225
1,1,2-Trichloroethane	<5ug/1	01	VA225
Tetrachloroethene	<5ug/1	01	VA225
Dibromochloromethane	<5ug/1	01	VA225
Bromoform	<5ug/l	01	VA225
1,1,2,2-Tetrachloroethane	<5ug/1	01	VA225
Chlorobenzene	<5ug/1	01	VA225
1,2-Dichlorobenzene	<5ug/1	01	VA225
1,3-Dichlorobenzene	<5ug/l	01	VA225
1,4-Dichlorobenzene	<5ug/1	01	VA225
EPA Method 602	•		
Benzene	<5ug/l	01	VA225
Toluene	<5ug/l	01	VA225
Ethylbenzene	<5ug/l	01	VA225
m-Xylene and p-Xylene	<5ug/l	01	VA225
o-Xylene	<5ug/1	01	VA225

DATE: 06/28/96

Upstate Laboratories, Inc.

Analysis Results

Report Number: 16496111

Client I.D.: GENERAL SUPER PLATING, INC.

Sampled by: ULI

SEMI-ANNUAL

SEWER 2 PRETREATMENT 1000H 06/12/96 G

APPROVAL: _ (

ULI	I.D.:	16496111		Matrix:	Water

PARAMETERS	RESULTS	KEY	FILE#
Chlorobenzene	<5ug/l	01	VA2256
1,2-Dichlorobenzene	<5ug/l	01	VA2256
1,3-Dichlorobenzene	<5ug/l	. 01	VA2256
1,4-Dichlorobenzene	<5ug/1	01	VA2256

KEY PAGE

- 1 MATRIX INTERFERENCE PRECLUDES LOWER DETECTION LIMITS
- 2 MATRIX INTERFERENCE
- 3 PRESENT IN BLANK
- 4 ANALYSIS NOT PERFORMED BECAUSE OF INSUFFICIENT SAMPLE
- 5 THE PRESENCE OF OTHER TARGET ANALYTE(S) PRECLUDES LOWER DETECTION LIMITS
- 6 BLANK CORRECTED
- 7 HEAD SPACE PRESENT IN SAMPLE
- 8 QUANTITATION LIMIT IS GREATER THAN THE CALCULATED REGULATORY LEVEL. THE QUANTITATION LIMIT THEREFORE BECOMES THE REGULATORY LEVEL.
- 9 THE OIL WAS TREATED AS A SOLID AND LEACHED WITH EXTRACTION FLUID
- 10. ADL (AVERAGE DETECTION LIMITS)
- 11 PQL(PRACTICAL QUANTITATION LIMITS)
- 12 SAMPLE ANALYZED OVER HOLDING TIME
- 13 DISSOLVED VALUE MAY BE HIGHER THAN TOTAL DUE TO CONTAMINATION FROM THE FILTERING PROCEDURE
- 14 SAMPLED BY ULI
- 15 DISSOLVED VALUE MAY BE HIGHER THAN TOTAL; HOWEVER, THE VALUES ARE WITHIN EXPERIMENTAL ERROR
- 16 AN INHIBITORY FACTOR WAS OBSERVED IN THIS ANALYSIS
- 17 PARAMETER NOT ANALYZED WITHIN 15 MINUTES OF SAMPLING
- 18 DEPENDING UPON THE INTENDED USE OF THIS TEST RESULT, CONFIRMATION BY GC/MS OR DUAL COLUMN CHROMATOGRAPHY MAY BE REQUIRED
- 19 CALCULATION BASED ON DRY WEIGHT
- 20 INDICATES AN ESTIMATED VALUE, DETECTED BUT BELOW THE PRACTICAL QUANTITATION LIMITS
- 21 UG/KG AS REC.D / UG/KG DRY WT
- 22 MG/KG AS REC.D / MG/KG DRY WT
- 23 INSUFFICIENT SAMPLE PRECLUDES LOWER DETECTION LIMITS
- 24 SAMPLE DILUTED/BLANK CORRECTED
- 25 ND (NON-DETECTED)
- 26 MATRIX INTERFERENCE PRECLUDES LOWER DETECTION LIMITS/BLANK CORRECTED
- 27 SPIKE RECOVERY ABNORMALLY HIGH/LOW DUE TO MATRIX INTERFERENCE
- 28 POST-DIGESTION SPIKE FOR FURNACE AA ANALYSIS IS OUTSIDE OF THE CONTROL LIMITS (85-115%); HOWEVER, THE SAMPLE CONCENTRATION IS BELOW THE PQL
- 29 ANALYZED BY METHOD OF STANDARD ADDITIONS
- 30 METHOD PERFORMANCE STUDY HAS NOT BEEN COMPLETED/ND (NON-DETECTED)
- 31 FIELD MEASURED PARAMETER TAKEN BY CLIENT
- 32 TARGET ANALYTE IS BIODEGRADED AND/OR ENVIRONMENTALLY WEATHERED
- 33 NON-POTABLE WATER SOURCE
- 34 THE QUALITY CONTROL RESULTS FOR THIS ANALYSIS INDICATE A POSITIVE BIAS OF 1-5 MG/L. THE POSITIVE BIAS FALLS BELOW THE PUBLISHED EPA REGULATORY DETECTION LIMIT OF 5 MG/L BUT ABOVE 1 MG/L.
- 35 THE HYDROCARBONS DETECTED IN THE SAMPLE DID NOT CROSS-MATCH WITH COMMON PETROLEUM DISTILLATES
- 36 MATRIX INTERFERENCE CAUSING SPIKES TO RESULT IN LESS THAN 50.0% RECOVERY
- 37 MILLIGRAMS PER LITER (MG/L) / POUNDS (LBS) PER DAY
- 38 MILLIGRAMS PER LITER (MG/L) OF RESIDUAL CHLORINÉ (CL2) / POUNDS (LBS) PER DAY OF CL2
- 39 MICROGRAMS PER LITER (UG/L) / POUNDS (LBS) PER DAY
- 40 MILLIGRAMS PER LITER (MG/L) LINEAR ALKYL SULFONATE (LAS) / POUNDS (LBS) PER DAY LAS
- 41 RESULTS ARE REPORTED ON AN AS REC.D BASIS
- 42 THE SAMPLE WAS ANALYZED ON A TOTAL BASIS; THE TEST RESULT CAN BE COMPARED TO THE TCLP REGULATORY CRITERIA BY DIVIDING THE TEST RESULT BY 20, CREATING A THEORETICAL TCLP VALUE
- 43 METAL BY CONCENTRATION PROCEDURE
- 44 POSSIBLE CONTAMINATION FROM FIELD/LABORATORY

Upstate Laboratories, Inc.

3034 Corporate Drive E. Syracuse New York 13057

Chain Of Custody Record

315) 437 0255 Fax 437 1209 lient: Project # / Project Name GENERAL SUPER PLATING SEMI-ANNUAL of lient Contact: Con-Phone # Location (city/state) Address Remarks JOHN JODOIN SYRACUSE, NY 446-2264 tain-ULI Internal Use Only Sample ID Date Matrix Grab or ers Time 1) 2) 3) 4) 5) 6) 7) 8) Comp. 9) 10) 1000 420 Х SEWER 2 PRETREATMENT **GRAB** Sampled by:(Print) parameter and method sample bottle: type size pres. Name of Courier (if used) KoiTh Williams 1) FLASHPOINT **PLASTIC** 250ml NONE Company: 2) 08G **GLASS** 320z H2S04 LILT **GLASS** H2S04 ●3) T-PHENOLS 32oz Relinquished by: (Signature) Date Received by: (Signature) 4) EPA 601/602 **GLASS** Time 40m I 1:1 HCL Relinquished by: (Signature) Date Time Received by: (Signature) 8) 9) Relinquished by: (Signature) emiT Rec'd for Lab by: (Signature) 10) Note: The numbered columns above cross reference with the numbered columns in the upper right hand corner. C nardek.

Upstate Laboratories inc.

Shipping: 6034 Corporate Dr. • E. Syracuse, NY 13057-1017. • (315) 437-0255. • Fax (315) 437-1209.

Mailing: Box 289 • Syracuse, NY 13206

Albany (518) 459-3134 Binghamton (607) 724-0478

July 30, 1996

Buffalo (716) 649-2533 Rochester (716) 436-9070 New Jersey (201) 703-1324

Mr. William Southwell Vice-President, General Mgr. General Super Plating Co., Inc. 5762 Celi Dr. E. Syracuse, NY 13057

Re: Analysis Report #17796022 - Quarterly

Dear Mr. Southwell:

Please find enclosed the results for your samples which were collected by ULI personnel on June 25, 26, 27 and 28, 1996.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your sample. Samples will be disposed of approximately one month from final report date.

Should you have any questions, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.

Anthony J. Scala

Director

AJS/lw

Enclosures: report, field data, strip charts, invoice

cc/encs: N. Scala, ULI

file

Note: Faxed results were given to your office on 7/29/96. AJS

Disclaimer: The test results and procedures utilized, and laboratory interpretations of data obtained by ULI as contained in this report are believed by ULI to be accurate and reliable for sample(s) tested. In accepting this report, the customer agrees that the full extent of any and all liability for actual and consequential damages of ULI for the services performed shall be equal to the fee charged to the customer for the services as liquidated damages.

Upstate .aboratories inc.

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Buffalo (716) 649-2533

Mr. William Southwell Vice-President, General Mgr. General Super Plating Co., Inc. 5762 Celi Dr. E. Syracuse, NY 13057

Self-Monitoring Re:

Dear Mr. Southwell:

This letter is in response to a request from the Onondaga County Department of Drainage and Sanitation regarding sampling techniques used for your Self-Monitoring Compliance.

Composite samples are collected using a microprocessor-controlled, peristaltic pump sampler programmed to collect a sample aliquot every thirty (30) minutes. At the completion of a sampling event, the composite is poured into appropriate preserved containers. samples for pH are collected in the field, done at the initial and ending sampling periods daily. If composite pH readings are required, they are done when received at the laboratory. The pH readings are accomplished using a two-point calibrated pH meter. Calibration occurs daily.

Grab samples are collected using a glass jar lowered into the effluent sump. For oil and grease, a glass quart jar is retrieved and then preserved with sulfuric acid. Volatile TTO samples are collected with a separate glass container and then poured off into an appropriate headspace container.

Upstate Laboratories, Inc. follows sampling guidelines set forth in "Standard Methods for the Examination of Water and Wastewater," as well as the EPA's "Handbook for Sampling and Sample Preservation of Water and Wastewater."

Should you have any questions regarding this matter, please feel free to call me.

> Very truly yours, UPSTATE LABORATORIES, INC.

Bryan F. SValentine

Technical Services Manager

BFV/lw

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

Upstate Laboratories, Inc.

Analysis Results

Report Number: 17796022 Client I.D.: GENERAL SUPER PLATING CO, INC.

APPROVAL: Lab I.D.: 10170

TD:17796022	Mat:Water QUARTERLY DAY 10F3	SEWER 2 PRETREATMENT 104	40-1040H 06/25/5	66°C
PA	RAMETERS	RESULTS	KEY	FILE#
	Flow	88,710gal		FIELD
•	Hexavalent Chromium	0.22mg/l		WB3418
Total	Cadmium	< 0.005 mg/1	•	MA6461
Total	Chromium by furnace method	0.32 mg/1		MA6518
Total	Copper	0.04mg/l		MA6461
Total	Lead	<0.1mg/l	•	MA6461
Total	Nickel	0.78mg/1		MA6461
Total	Silver	0.12mg/l		MA6461
Total	Zinc	0.04 mg/l	•	MA6461
ĪD:17796023	Mat:Water QUARTERLY DAY 10F3	SEWER 2 PRETREATMENT 111	L5H 06/25/96 G	
PA	RAMETERS	RESULTS	KEY	FILE#
	Field pH	7.9SU		FIELD
	Amenable Cyanide	< 0.01mg/l		WB3503
	Total Cyanide	<0.01mg/1		WB3503
ID:17796024	RAMETERS	SEWER 1 SANITARY 1030-10 RESULTS	KEY	FILE#
	BOD5	19mg/1		WB3424
	Total Kjeldahl Nitrogen	28mg/1		WB3559
	Total Phosphorus	1.9mg/1		WB3585
•	Total Suspended Solids	16mg/1		WB3448
Total	Chromium by furnace method	0.18mg/1		MA6518
Total	Lead	<0.1mg/1	•	MA6461
Total	Molybdenum by furnace method	<0.01mg/1		MA6485
Total	Nickel	0.08mg/1		MA6461
Total	Zinc	0.15mg/l		MA6461
ID:17796025	Mat:Water QUARTERLY DAY 10F3	SEWER 1 SANITARY 1100H 0	6/25/96 G	· -
PA	RAMETERS	RESULTS	KEY	FILE#
	Field pH	7.680		FIELD
	Amenable Cyanide	<0.01mg/1		WB3503
	Flash Point	>60degC		WB3497
	Oil & Grease	9mg/1	•	WB3550
	Total Cyanide	<0.01mg/1		WB3503
	oleman	- 0 · 0 · 1 · 1 · 1 · 1		

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

Upstate Laboratories, Inc.

Analysis Results

Report Number: 17796022

Client I.D.: GENERAL SUPER PLATING CO, INC.

APPROVAL:

Lab I.D.: 10170

ID:17996011 Mat:Water QUARTERLY DAY 20F3	SEWER 2 PRETREATMENT 1110	0-1105H 06/26/9	6 C	
PARAMETERS	RESULTS	KEY	FILE#	
Flow	94,861gal		FIELD	
рH	7.980	17	WB2177	
Hexavalent Chromium	0.03mg/l	- .	WB3441	
Total Cadmium	<0.005mg/l	•	MA6497	
Total Chromium by furnace method	0.05mg/1		MA6497	
Total Copper	0.06mg/1		MA6497	
Total Lead	<0.1mg/1	,	MA6497	
Total Nickel	1.1mg/l	• •	MA6497	
Total Silver	<0.05mg/1		MA6497	
Total Zinc	0.03mg/l		MA6497	
ID:17996012 Mat:Water QUARTERLY DAY 20F3	SEWER 2 PRETREATMENT 1110	H 06/26/96 G		
PARAMETERS	RESULTS	KEY	FILE#	
73 1 3 - 77	8.4SU	·		
Field pH Amenable Cyanide	<0.01mg/l		FIELD WB3594	
Total Cyanide	0.02mg/1		WB3526	
ID:17996013 Mat:Water QUARTERLY DAY 20F3 PARAMETERS	SEWER 1 SANITARY 1120-112 RESULTS	KEY	FILE#	
BOD5	36mg/1	~	WB3477	
Total Kjeldahl Nitrogen	25mg/1		WB3643	
Total Phosphorus	1.9mg/l		WB3646	
Total Suspended Solids	24mg/1		WB3471	
Total Chromium by furnace method	0.18mg/l		MA6518	
Total Lead	<0.1mg/1		MA6497	
Total Molybdenum by furnace method				
	<0.0TWG/T		MA6485	
Total Nickel	<0.01mg/l 0.04mg/l			
Total Nickel Total Zinc	<0.01mg/1 0.04mg/1 0.09mg/1		MA6485 MA6497 MA6497	
Total Zinc	0.04mg/1	/26/96 G	MA6497	
Total Zinc	0.04mg/l 0.09mg/l SEWER 1 SANITARY 1122H 06 RESULTS	/26/96 G Key	MA6497	
Total Zinc ID:17996014 Mat:Water QUARTERLY DAY 20F3 PARAMETERS	0.04mg/l 0.09mg/l SEWER 1 SANITARY 1122H 06 RESULTS		MA6497 MA6497 	
Total Zinc ID:17996014 Mat:Water QUARTERLY DAY 20F3 PARAMETERS Field pH	0.04mg/l 0.09mg/l SEWER 1 SANITARY 1122H 06 RESULTS 7.3SU	KEY	MA6497 MA6497 FILE# FIELD	
Total Zinc ID:17996014 Mat:Water QUARTERLY DAY 20F3 PARAMETERS Field pH Amenable Cyanide	0.04mg/l 0.09mg/l SEWER 1 SANITARY 1122H 06 RESULTS 7.3SU <0.01mg/l	KEY	MA6497 MA6497 FILE# FIELD WB3526	
Total Zinc ID:17996014 Mat:Water QUARTERLY DAY 20F3 PARAMETERS Field pH	0.04mg/l 0.09mg/l SEWER 1 SANITARY 1122H 06 RESULTS 7.3SU	KEY	MA6497 MA6497 FILE# FIELD	

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

Upstate Laboratories, Inc.

Analysis Results

Report Number: 17796022

Client I.D.: GENERAL SUPER PLATING CO, INC.

APPROVAL:

<u>Lab</u> <u>I.D.</u>: 10170

ID:17996063	Mat:Water QUARTERLY DAY 30F3	SEWER 2 PRETREATMENT 1125	-1100H 06/27/96 C		
PA	RAMETERS	RESULTS		FILE#	
•	Flow	86,855gal	FIE	 et to	
	pH	8.3SU		2177	
	Hexavalent Chromium	0.06mg/l		3458	
Total	Cadmium	<0.005mg/l		5497	
Total	Chromium by furnace method	0.10mg/1		5518	
Total	Copper	0.11mg/1		5497	
Total	Lead	<0.1mg/l		5497	
Total	Nickel	1.6mg/l	- • • •	5497	
Total	Silver	<0.05mg/1		497	
Total	Zinc	0.05mg/1		497	
ID:17996064	Mat:Water QUARTERLY DAY 30F3	SEWER 2 PRETREATMENT 1105	H 06/27/96 G		
PA	RAMETERS	RESULTS	KEY FIL	.E#	
	Field pH	8.0SU	FIR	מזי	
	Amenable Cyanide	<0.01mg/1	,	594	
	Total Cyanide	0.01mg/l		526	
ID:17996065	RAMETERS	SEWER 1 SANITARY 1115-104 RESULTS	KEY FIL	·E#	
	BOD5	19mg/1	wo	477	
	Total Kjeldahl Nitrogen	37mg/1	WB3		
	Total Phosphorus	1.7mg/l	WB3		
	Total Suspended Solids	8mg/1	WB3		
Total	Chromium by furnace method	0.13mg/1	· MA6		
Total	Lead	<0.1mg/1	MA6		
Total	Molybdenum by furnace method	<0.01mg/1	MAG		
Total	Nickel	0.04mg/1	MA6		
Total	Zinc	0.07mg/1	MA6		
ID:17996066	Mat: Water QUARTERLY DAY 30F3	SEWER I SANITARY 1050H 06	/27/96 G		
PA	RAMETERS	RESULTS	KEY FIL	E#	
	Field pH	7.350	FIE	LD	
		.0.01/1	WB3		
	Amenable Cyanide	<0.01mg/1	MD3:	526	
	Amenable Cyanide Oil & Grease Total Cyanide	<0.01mg/1 18mg/1	WB3		

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

Upstate Laboratories, Inc.

Analysis Results

Report Number: 17796022

Client I.D.: GENERAL SUPER PLATING CO, INC.

Amenable Cyanide

Oil & Grease

Total Cyanide

APPROVAL: _______

Lab I.D.: 10170

WB3560

WB3692

WB3560

Sampled by: ULI

ĪD:18096092 i	Mat:Water QUARTERLY DAY 4	SEWER I SANITARY 1055-10	030H 06/28/96 C	
PAI	RAMETERS	RESULTS	KEY	FILR#
	BOD5	73mg/1		WB3477
	Total Kjeldahl Nitrogen	54mg/l	,	WB3664
	Total Phosphorus	2.6mg/l	•	WB3663
	Total Suspended Solids	12mg/1	. ,	WB3500
Total	Chromium by furnace method	0.19mg/l	,	MA6518
Total	Lead	<0.1mg/1		MA6495
Total	Molybdenum by furnace method	<0.01mg/l		MA6562
Total	Nickel	0.06mg/l		MA6495
Total	Zinc	0.04mg/1	-	MA6495
ID:18096093 A	Mat:Water QUARTERLY DAY 4	SEWER I SANITARY 1035H	06/28/96 G	
PAI	RAMETERS	RESULTS	KEY	FILE#
	Field pH	7.8SU		FIELD

<0.01mg/l

<0.01mg/1

10mg/1

KEY PAGE

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- 2 MATRIX INTERFERENCE
- 3 PRESENT IN BLANK
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- 5 THE PRESENCE OF OTHER TARGET ANALYTE(S) PRECLUDES LOWER DETECTION LIMITS
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- 8 QUANTITATION LIMIT IS GREATER THAN THE CALCULATED REGULATORY LEVEL. THE QUANTITATION LIMIT THEREFORE BECOMES THE REGULATORY LEVEL.
- 9 THE OIL WAS TREATED AS A SOLID AND LEACHED WITH EXTRACTION FLUID
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- 33 NON-POTABLE WATER SOURCE
- 34 THE QUALITY CONTROL RESULTS FOR THIS ANALYSIS INDICATE A POSITIVE BIAS OF 1-5 MG/L. THE POSITIVE BIAS FALLS BELOW THE PUBLISHED EPA REGULATORY DETECTION LIMIT OF 5 MG/L BUT ABOVE 1 MG/L.
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- 36 MATRIX INTERFERENCE CAUSING SPIKES TO RESULT IN LESS THAN 50.0% RECOVERY
- 37 MILLIGRAMS PER LITER (MG/L) / POUNDS (LBS) PER DAY
- 38 MILLIGRAMS PER LITER (MG/L) OF RESIDUAL CHLORINE (CL2) / POUNDS (LBS) PER DAY OF CL2
- 39 MICROGRAMS PER LITER (UG/L) / POUNDS (LBS) PER DAY
- 40 MILLIGRAMS PER LITER (MG/L) LINEAR ALKYL SULFONATE (LAS) / POUNDS (LBS) PER DAY LAS
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- 43 METAL BY CONCENTRATION PROCEDURE
- 44 POSSIBLE CONTAMINATION FROM FIELD/LABORATORY

UPSTATE LABORATORIES, INC.

Analysis Results Report Number 17796022

July 30, 1996 Date:

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

CLIENT I.D. GENERAL SUPER PLATING CO., INC. (QUARTERLY) (SEWER 1 SANITARY)	DEPARTMENT OF HEALTH CODES *	4 DAY AVERAGE **	
ULI I.D.			
Field pH BOD5 Total Kjeldahl Nitrogen Total Phosphorus Total Suspended Solids Amenable Cyanide Flash Point *** Oil & Grease Total Cyanide TOTAL: Chromium by furnace method Lead Molybdenum by furnace method Nickel Zinc	2202 2057 2230 2333 2349 2179 4000 2291 2166/2171 2137 2017 2266 2017 2017	7.5SU 37mg/l 36mg/l 2.0mg/l 15mg/l <0.01mg/l 12mg/l <0.01mg/l <0.1mg/l <0.01mg/l 0.06mg/l 0.09mg/l	

^{*}DOH Method 2010 used for Digestion.

Sampled by ULI.

NYS DOH I.D.: 10170.

Approved: 7/30/96

Note: See disclaimer on cover letter.

^{**}Average results are from samples taken 6/25, 6/26, 6/27 and 6/28/96. ***Sample taken 6/25/96.

UPSTATE LABORATORIES, INC.

Analysis Results Report Number 17796022 Date: July 30, 1996

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

			
CLIENT I.D. GENERAL SUPER PLATING CO., INC. (QUARTERLY) (SEWER 2 PRETREATMENT)	DEPARTMENT OF HEALTH CODES *	3 DAY AVERAGE **	
ULI I.D.			
Field pH Hexavalent Chromium Amenable Cyanide Total Cyanide TOTAL: Cadmium Chromium by furnace method Copper Lead Nickel Silver Zinc	2202 9146 2179 2166/2171 2017 2017 2017 2017 2017 2017	8.2SU 0.10mg/l <0.01mg/l 0.01mg/l <0.005mg/l 0.16mg/l 0.07mg/l <0.1mg/l 1.2mg/l 0.07mg/l 0.04mg/l	

^{*}DOH Method 2010 used for Digestion.

NYS DOH I.D.: 10170.

Approved: 7/30/96

Note: See disclaimer on cover letter.

^{**}Average results are from samples taken 6/25, 6/26 and 6/27/96. Sampled by ULI.

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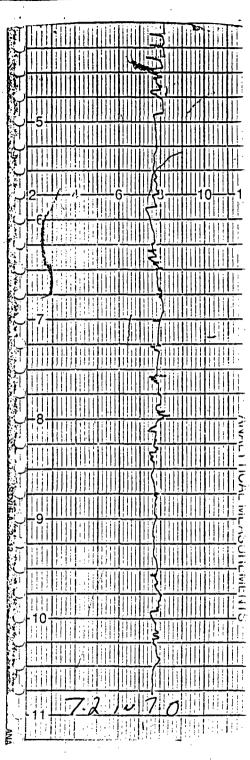
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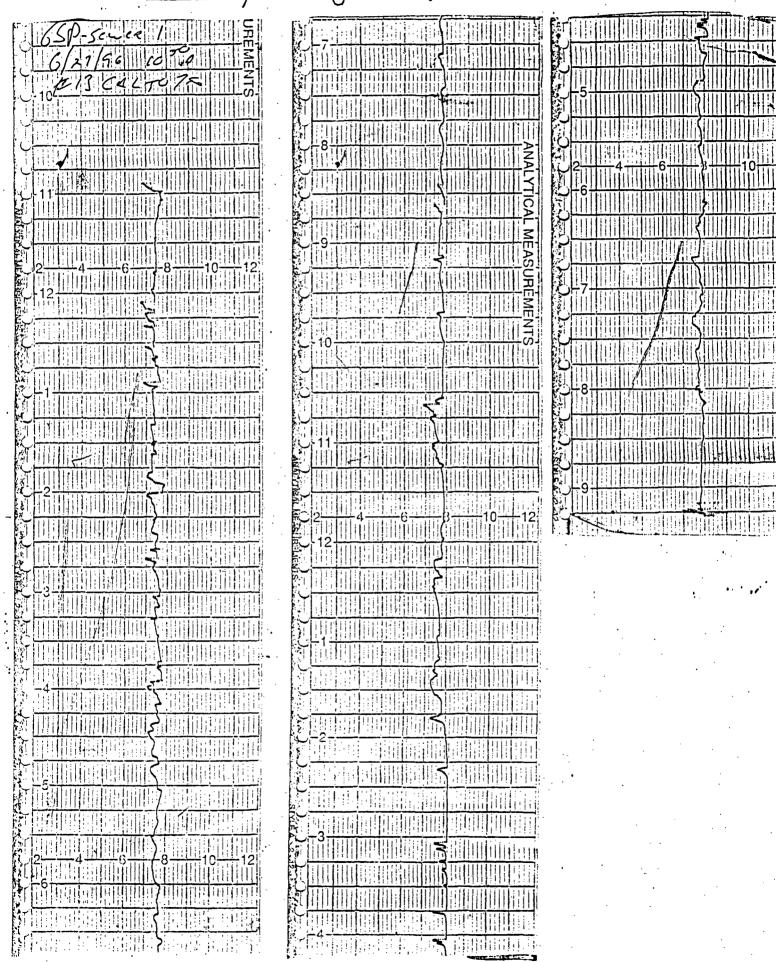
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Ipstate Laboratories, Inc.

034 Corporate Drive E. Syracuse New York 13057

Chain Of Custody Record

15) 437 0255 Fax 437 1209 lient: Project # / Project Name GENERAL SUPER PLATING QUARTERLY DAY 1 OF 3 of lient Contact: Location (city/state) Address Cón-Phone # Remarks JOHN JODOIN SYRACUSE, NY 446-2264 tain-ULI Internal Use Only ample ID ers Date Matrix Grab or Time 3) 4) 5) 6) 7) 1) 2) 8) 9) 10) Comp. /-/20 Х 1-25.76 SEWER 2 PRETREATMENT COMP 10:400 X SEVER 2 PRETREATMENT **GRAB '**3 Χ COMP SEWER I SANITARY 120 SEWER 1 SANITARY **GRAB** Sampled by:(Print) ". parameter and method Name of Courier (if used) sample bottle: type size pres. Keith Williams NONE CR+6 PLASTIC 500ml Company: NAOH A-CN , T-CN **PLASTIC** 4000ml (16F T-CD, CR+, CU, PB, NI, AG, ZN PLASTIC HN03 500m1 Relinquished by: (Signature) Date ... Time -- Received by: (Signature) FLOW N/A N/A FIELD PH NONE PLASTIC 2000ml BOD5,TSS Relinquished by: (Signature) Date Time Received by: (Signature) TKN,T-P **PLASTIC** 500ml H2S04 8) 08G **GLASS** 32oz H2S04 PLASTIC HN03 500ml T-CR*,PB,MO*,NI,ZN Relinquished by: (Signature) Date Rec'd for Lab by: (Signature) emiT PLASTIC 250ml NONE FLASHPOINT Note: The numbered columns above cross reference with the numbered columns in the upper right hand corner.

w pstate Lavoratories, knc. 6034 Corporate Drive . E. Syracuse, NY 13057-1017 Chain Of Custody Record (315) 437 0255 Fax 437 1209 Client Client Project # / Project Name No. Special Turnaround GENERAL SUPER PLATING QUARTERLY DAY 2 OF 3 Time__ of Client Contact Site Location (city/state) Phone # Con-(Lab Notification JOHN JODOIN required) 446-2264 SYRACUSE. NY tain-Sample Location: **ULI Internal Use Only** Date Time Matrix Grab or ers Remarks 2h (03) Comp. 5) 6) 7) 8) 9) 10) 11) 4) 10:100 17996011 **SEWER 2 PRETREATMENT** . 2 . Χ COMP 11:05 4 لدا SEWER 2 PRETREATMENT 6.25-96 **GRAB** A 11:204 **SEWER 1 SANITARY** 13 ໌ 3) COMP χ X 11:201 X 1/20 4 (z)SEWER 1 SANITARY X X ĠRAB parameter and method Sampled by: (Please Print) sample bottle: type size pres. **ULI Internal Use Only** Delivery (check one): Keth Williams 1) PH NONE ULI Sampled PLASTIC 120m1 Company: ☐ Pickup ☐ Dropoff 2) CR+6 PLASTIC 500m1 NONE ULI 3) A-CN, T-CN 4000m1 Relinquished by: (Signature) Date Time Received by: (Signature) NAOH PLASTIC 4) T-CD,CR*,CU,PB,NI,AG,ZN PLASTIC 500m1 HN03 5) FLOW N/A 6) FIELD PH Received by: (Signature) Relinquished by: (Signature) Date Time 7) BOD5,TSS NONE PLASTIC 2000m1 8) TKN.T-P PLASTIC 500m1 H2S04 Relinquished by: (Signature) Date Time Received by: (Signature) 9) 0&G 32oz **GLASS** H2S04 10) T-CR*, PB, MO*, NI, ZN **PLASTIC** 500m1 **HN03** Relinquished by: (Signature) Date Time Rec'd for Lab by: (Signature) 11) 44

Svracuse

Rochester

Note: The numbered columns above cross-reference with the numbered columns in the upper right-hand corner.

Buffalo

Albany

Binghamton

Fair Lawn (NJ)

U pstate Laboratories, Lnc.
6034 Corporate Drive • E. Syracuse, NY 13057-1017

Chain Of Custody Record

(315) 437 0255	Fax	437 1209						•		,	٠.								1/12
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Client Contact	Phone #	Site Location	on (city/state)				Con-	1										l (t	Lab Notification
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5) FLOW				N/A			1	,							ĺ				
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8) TKN,T-P				PLASTIC	500m1	H2S04							_		ļ		<u> </u>		
9) 0&G		·		GLASS	32oz	H2S04	Relin	laiupr	hed b	oy: (S	igna	ture)	Date	9	Tim	e	Rec	eive	d by: (Signature)
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10) T-CR*,PB,MO*,NI,ZN				PLASTIC	500m1	HN03	Relin	nquis	hed l	(S	igna	lure)	Date	9	Tim	ie,	Rec	'd fo	or Lab by: (Signature)
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psiate Laboratories, Anc.
6034 Corporate Drive • E. Syracuse, NY 13057-1017

Chain Of Custody Record

(315) 437 0255 Fax 437 1209 Client Client Project # / Project Name No. Special Turnaround QUARTERLY DAY 4/ Poe Chent GENERAL SUPER PLATING Time of Client Contact Phone # Site Location (city/state) Con-(Lab Notification JOHN JODOTN required) 446-2264 SYRACUSE, NY tain-Sample Location: Grab or Date Time Matrix ULI Internal Use Only ers Remarks Comp. 1) 2) 4) 5) 6) | 7) | 8) | 9) | 10) | 11) SEWER 2 PRETREATMENT SEMER 2 PRETREATMENT CDAR 6 77 96 10 55 A 6 73 96 10 30 A SEWER 1 SANITARY 1/20 (3) 18096092 **€**OMP X 6.03.96 1035 Hro 93 (2) SEWER 1 SANITARY χ ĞRAB X X $\mathcal{F}_{n} := \{ \mathbf{e}_{n}(\mathbf{e}_{n}) \in \mathcal{F}_{n}(\mathbf{e}_{n}) \mid \mathbf{e}_{n}(\mathbf{e}_{n}) \}$ ·學出現(4)(4) parameter and method Sampled by: (Please Print) sample bottle: lype size pres. ULI Internal Use Only Delivery (check one): Keith Williams 1) PH ULI Sampled PLASTIC NONE 120m7 ☐ Pickup Company: ☐ Dropoff 2) CR+6 NICT NONE PLASTIC-500m1 CC_ 3) A-CN, T-CN Time Received by: (Signature) 4000m1 Relinquished by: (Signature) Date NAOH PLASTIC 4) T-CD, CR*, CU, PB, NI, AG, ZN PLASTIC 500m7 **HN03** 5) FLOW 6) FIELD PH N/A Time Received by: (Signature) Relinquished by: (Signature) | Date 7) BOD5,TSS NONE PLASTIC 2000m1 8) TKN,T-P 500m1 H2S04 **PLASTIC** Received by: (Signature) Relinquished by: (Signature) | Date Time 9) 0&G 32oz **GLASS** H2S04 10) T-CR*, PB, MO*, NI, ZN **PLASTIC** 500m1 HN03 Relinquished by: (Signature) Date Rec'd for Lab by: (Signature) Time, 11) 1/95/70 Note: The numbered columns above cross-reference with the numbered columns in the upper right-hand corner.

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Upstate Laboratories inc.

Shipping: 6034 Corporate Dr. • E. Syracuse, NY 13057-1017 • (315) 437-0255 • Fax (315) 437-1209

Mailing: Box 289 • Syracuse, NY 13206

Buffalo (716) 649-2533 Rochester (716) 436-9070

Albany (518) 459-3134 Binghamton (607) 724-0478

June 28, 1996

New Jersey (201) 703-1324

Mr. William Southwell Vice-President, General Mgr. General Super Plating Co., Inc. 5762 Celi Dr. E. Syracuse, NY 13057

Re: Analysis Report #16496107 - Quarterly

Dear Mr. Southwell:

Please find enclosed the results for your samples which were collected by ULI personnel on June 12, 13 and 14, 1996.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your sample. Samples will be disposed of approximately one month from final report date.

Should you have any questions, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.

Anthony J. Scala

Director

AJS/lw

Enclosures: report, field data, strip charts, invoice

cc/encs: N. Scala, ULI

file

Note: Sewer 1 was collected only one day due to a pH excursion.

Disclaimer: The test results and procedures utilized, and laboratory interpretations of data obtained by ULI as contained in this report are believed by ULI to be accurate and reliable for sample(s) tested. In accepting this report, the customer agrees that the full extent of any and all liability for actual and consequential damages of ULI for the services performed shall be equal to the fee charged to the customer for the services as liquidated damages.

Upstate Laboratories inc.

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June 28, 1996

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Mr. William Southwell Vice-President, General Mgr. General Super Plating Co., Inc. 5762 Celi Dr. E. Syracuse, NY 13057

Re: Self-Monitoring

Dear Mr. Southwell:

This letter is in response to a request from the Onondaga County Department of Drainage and Sanitation regarding sampling techniques used for your Self-Monitoring Compliance.

Composite samples are collected using a microprocessor-controlled, peristaltic pump sampler programmed to collect a sample aliquot every thirty (30) minutes. At the completion of a sampling event, the composite is poured into appropriate preserved containers. Grab samples for pH are collected in the field, done at the initial and ending sampling periods daily. If composite pH readings are required, they are done when received at the laboratory. The pH readings are accomplished using a two-point calibrated pH meter. Calibration occurs daily.

Grab samples are collected using a glass jar lowered into the effluent sump. For oil and grease, a glass quart jar is retrieved and then preserved with sulfuric acid. Volatile TTO samples are collected with a separate glass container and then poured off into an appropriate headspace container.

Upstate Laboratories, Inc. follows sampling guidelines set forth in "Standard Methods for the Examination of Water and Wastewater," as well as the EPA's "Handbook for Sampling and Sample Preservation of Water and Wastewater."

Should you have any questions regarding this matter, please feel free to call me.

Very truly yours, UPSTATE LABORATORIES, INC.

Bryan F. Valentine Technical Services Manager

BFV/lw -

DATE: 06/28/96

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

Upstate Laboratories, Inc.

Analysis Results

Report Number: 16496107

Client I.D.: GENERAL SUPER PLATING CO, INC.

APPROVAL:

Lab I.D.: 10170

ĪD:16496107 i	Mat: Water QUARTERLY DAY 10F3	SEWER 2 PRETREATMENT 094	5-0945H 06/12/9	6 c
PAI	RAMETERS	RESULTS	KEY	file# 🖖
				
•	Flow	75,437gal	•	FIELD
	Hexavalent Chromium	0.04mg/l		WB3245
Total	Cadmium	<0.005mg/1		MA6419
Total	Chromium by furnace method	0.039mg/1		MA6446
Total	Copper	0.11mg/1		MA6419
Total	Lead	<0.1mg/1	•	MA6419
Total	Nickel	0.73mg/1		MA6419
Total	Silver	<0.05mg/1	•	MA6419
Total	Zinc	0.02mg/l		MA6419
ID:16496108	Mat: Water QUARTERLY DAY 10F3	SEWER 2 PRETREATMENT 100	OH 06/12/96 G	
PA	RAMETERS	RESULTS	KEY	FILE#
				FIELD
	Field pH	8.5SU		
•	Amenable Cyanide	<0.01mg/1		WB3318
	Total Cyanide	<0.01mg/1	, ,	Wb3318
ID:16496109	Mat:Water QUARTERLY DAY 10F3	SEWER 1 SANITARY 0940-09	40H 06/12/96 C	
PA	RAMETERS	RESULTS	KEY	FILE#
	BOD5	38mg/1		WB3287
•	Total Kjeldahl Nitrogen	43mg/1		WB3373
	Total Phosphorus	2.5mg/l		WB3422
	Total Suspended Solids	8mg/1		WB3279
Total	Chromium by furnace method	0.51mg/l	•	MA6446
Total	Lead	<0.1mg/1		MA6419
Total	Molybdenum by furnace method	<0.01mg/1		MA6415
Total	Nickel	0.15mg/l		MA6419
Total	Zinc	0.07mg/1		MA6419
ID:16496110	Mat:Water QUARTERLY DAY 10F3	SEWER 1 SANITARY 0945H 0	6/12/96 G	
PA	RAMETERS	RESULTS	KEY	FILE#
• •				
•	Field pH	8.1SU		FIELD
	Amenable Cyanide	<0.01mg/1	4	WB3318
	Flash Point	>60degC	. 7	WB3343
	Oil & Grease	<5mg/l		WB3398
	Total Cyanide	<0.01mg/1		WB3318
	4			

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

DATE: 06/28/96

Upstate Laboratories, Inc. Analysis Results

Report Number: 16496107

Client I.D.: GENERAL SUPER PLATING CO, INC.

Total Cyanide

APPROVAL:

 \overline{Lab} $\overline{\overline{I}}$.D.: 10170

WB3318

Sampled by: ULI

ID:16596057 Mat:Water	QUARTERLY DAY 20F3	SEWER 2 PRETREATMENT	1010-0925H 06/13/96	
PARAMETERS		RESULTS	KEY	FILE#
			• • •	,
Flow		85,364gal		FIELD
Hexavalen	t Chromium	0.09 mg/1		WB3258
Total Cadmium	•	< 0.005 mg/1		MA6408
Total Chromium	by furnace method	0.093 mg/1		MA6446
Total Copper	•	0.11mg/l		MA6408
Total Lead		< 0.1 mg/1	•	MA6408
Total Nickel		0.81 mg/1	,	MA6408
Total Silver		< 0.05 mg/1		MA6408
Total Zinc	v.	<0.01mg/1	•	MA6408
ID:16596058 Mat:Water	QUARTERLY DAY 20F3	SEWER 2 PRETREATMENT	0930H 06/13/96 G	
PARAMETERS		RESULTS	KEY	FILE#
Field pH		8.8SU	*	FIELD
Amenable	Cyanide	< 0.01 mg/l		WB3318

< 0.01 mg/1

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

DATE: 06/28/96

Upstate Laboratories, Inc.

Analysis Results

Total

Zinc

Report Number: 16496107

Client I.D.: GENERAL SUPER PLATING CO, INC.

APPROVAL: QC: Z H Lab I.D.: 10170

MA6410

Sampled by: ULI

ĪD:16696109	Mat:Water QUARTERLY DAY 30F3	SEWER 2 PRETREATMENT 093	0-1150H 06/14/96 C	_
PA	RAMETERS	RESULTS	KEY FILE	#
•	Flow	94,061gal	FIELI)
4	Hexavalent Chromium	0.20mg/1	WB328	35
Total	Cadmium	< 0.005 mg/1	MA641	LO
Total	Chromium by furnace method	0.18mg/1	MA644	16
Total	Copper	0.07mg/l	MA641	LO
Total	Lead	<0.1mg/l	MA641	LO
	Nickel	0.48mg/l	MA641	LO
Total Total	Silver	<0.05mg/l	MA641	

ID:16696110 Mat:Water QUARTERLY DAY 30F3 SEWER 2 PRETREATMENT 1150H 06/14/96 G

PARAMETERS	RESULTS.	KEY	FILE#
Field pH	9.0SU		FIELD
Amenable Cyanide	<0.01mg/l	,	WB3359
Total Cyanide	<0.01mg/l		WB3359

0.01 mg/1

UPSTATE LABORATORIES, INC.

Analysis Results
Report Number 16496107
Date: June 28, 1996

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

CLIENT I.D.	DEPARTMENT OF HEALTH CODES *	,	
GENERAL SUPER PLATING CO., INC. (QUARTERLY) (SEWER 1 SANITARY)	CODES *		
ULI I.D.			
Field pH BOD5 Total Kjeldahl Nitrogen Total Phosphorus Total Suspended Solids Amenable Cyanide Flash Point Oil & Grease Total Cyanide TOTAL: Chromium by furnace method Lead Molybdenum by furnace method Nickel Zinc	2202 2057 2230 2333 2349 2179 4000 2291 2166/2171 2137 2017 2266 2017 2017		

*DOH Method 2010 used for Digestion.

Sampled by ULI.

NYS DOH I.D.: 10170.

Approved: 6/28/96

Note: See disclaimer on cover letter.

UPSTATE LABORATORIES, INC.

Analysis Results
Report Number 16496107
Date: June 28, 1996

ONONDAGA COUNTY WASTEWATER TREATMENT COMPLIANCE

CLIENT I.D. GENERAL SUPER PLATING CO., INC. (QUARTERLY) (SEWER 2 PRETREATMENT)	DEPARTMENT OF HEALTH CODES *	3 DAY AVERAGE **	
ULI I.D.			
Field pH Hexavalent Chromium Amenable Cyanide Total Cyanide TOTAL: Cadmium Chromium by furnace method Copper Lead Nickel Silver Zinc	2202 9146 2179 2166/2171 2017 2017 2017 2017 2017 2017	8.8SU 0.11mg/l <0.01mg/l <0.005mg/l <0.10mg/l 0.10mg/l <0.1mg/l <0.05mg/l <0.05mg/l 0.01mg/l	

^{*}DOH Method 2010 used for Digestion.

NYS DOH I.D.: 10170

Approved:

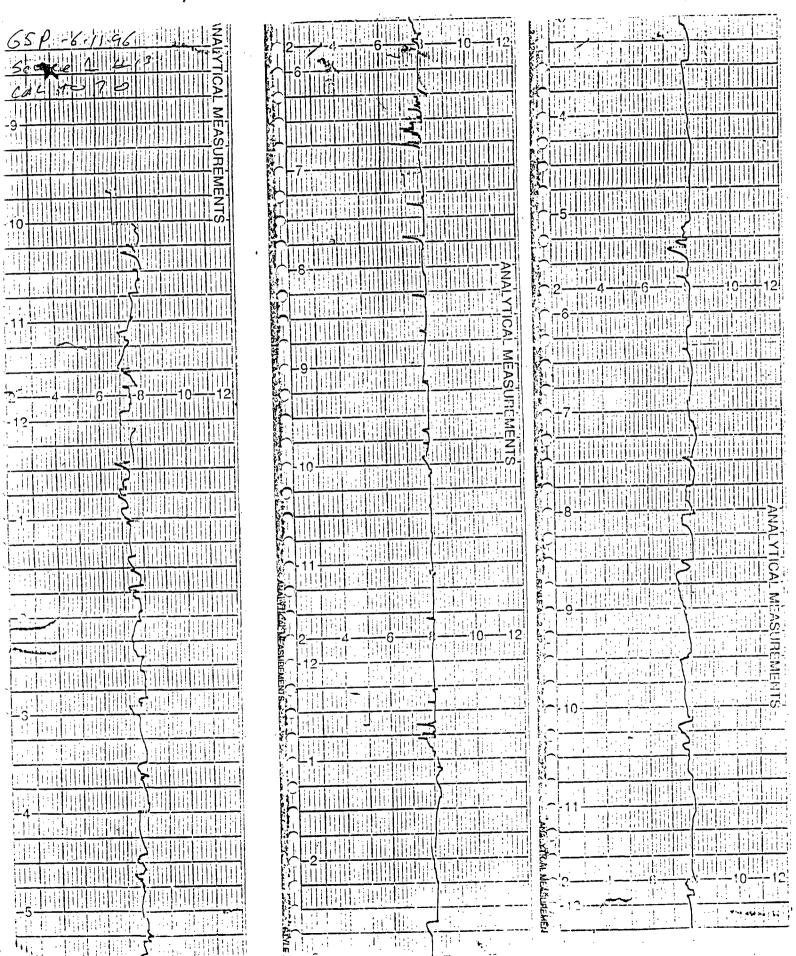
6/28/96

Note: See disclaimer on cover letter.

^{**}Average results are from samples taken 6/12, 6/13 and 6/14/96. Sampled by ULI.

STRIP CHART WORKSHEET

PROJECT QUARTERLY LOCATION Sewer #1



PROJECT QUARTERLY DATE (S) 6-11-12-96

DATE (S) 6-11-12-96

LOCATION Scwer * 1

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Destate Laboratories, Inc.

034 Corporate Drive E. Syracuse New York 13057

Chain Of Gustody Record

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pstate Laboratories, Inc.

'34 Corporate Drive E. Syracuse New York 13057 5) 437 0255 Fax 437 1209

Chain Of Custody Record

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pstate Laboratories, Inc.

734 Corporate Drive E. Syracuse New York 13057
15) 437 0255

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Attachment 2

Quarterly Certified Equipment Calibration Summary

July 29, 1996

General Super Plating Co. 22 Celi Drive

E. Syracuse NY 13057

Atm: Mr. John Jodin

Re: Service Report for Celi Dr.

Digital Analysis Corp

Mr. Jodin,

The following roport details work done and observations made during our scheduled service call on June 17, 1996. The intent of the service call was to verify the integrity of the pertinent instrumentation and their calibration. Please refer to the enclosed check list for detailed information.

The first stage neutralization tank (N1) pH probe was found to be clean and only slightly offset from proper calibration. This probe was calibrated and returned to service.

The second stage neutralization pH probe was found to be clean and only slightly offset from proper calibration. This probe was recalibrated and returned to service.

The chrome destruct pH probe was found to be clean with a slight offset from proper calibration. This probe calibrated fine and was returned to service.

The chrome destruct ORP probe was found to be clean and in good operating condition. The calibration was verified and the probe was returned to service.

The final effluent pH probe was found to be dirty but in good condition. The pH probe was cleaned, calibrated and returned to service. The final effluent controller/monitor was inspected electronically and found to be in good working condition.

The final effluent flow sensor, recorder and indicator were thoroughly inspected and calibrated. The final pH and flow recorder pens had no offset.

All instrumentation was determined to be in fine working order and met the individual manufacturers original specifications. If I can be of any further assistance then please do not hesitate to call.

Cordially,

Robert S. Laws

Project Coordinator

	OPM E · FOI IIDMENT	CALIBRATION SUMM	ARY	
	General Super Plating	Syracuse N.Y.		
INSTRUMENT#	DATE OF	RESULTS	SIGNA	TURE AND TITLE
DESCRIPTION	CALIBRATION	(INCLUDING DRIFT)	OF RE	PRESENTATIVE
pH Neutralization Stage 1 (Jenco 3671)	June 17, 19 96	Calibration within Spec.	50%	Technician
pH Neutralization Stage 2 (Jenco 3676)	June 17, 1996	Calibration within Spec.		// Technician
pH Chrome Destruct (Jenco 3676)	June 17, 1996	Calibration within Spec.		/ / Technician
ORP Chrome Destruct (Jenco 3671)	June 17, 1996	Calibration within Spec.		/ / Technician
Final pH Adjustment (Walchem W230)	June 17, 1996	Calibration within Spec.		// Technician
Final pH Recorder Honeywell	June 17, 1996	Calibration within Spec. @7pH=-0.05,@10pH=+0.05		Technician
Final Flow Monitor Militronics	June 17, 1996	Calibration within Spec.		Jechnician /
Final Flow Recorder Honeywell	June 17, 1996	Calibration within Spec.	5/	Technician
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Digital Analysis Corp.

Service Check List for General Super Plate
Waste Treatment System

5.4.	6/17/96	·	Tech / F	ing. 7.51.
Date	0/////	•	` I .	
		•		

Celi Drive:

Neutralization Stage I pH (N1): Jenco pH Controller:

Probe inspection		GOOD/ Clear	red.
Before Calibration	7.0	6.7	-
4.0	10=0	3.7	<u> </u>
After Calibration	4.0	4.0	_
1	7.0	7.0	
	10.0	-	*
Response Time (/ 3) Max acceptable response	pH dev)	3 sec.	-
war acceptante test	- PERIO	***	

Neutralization Stage II pH (N2): Great Lakes pH Controller:	
Probe inspection Good / Clena	d.
Before Calibration 7.0 609	'
10.0 9.8	- .
After Calibration 4.0	. ·
7.0 7.0	· · · · · · · · · · · · · · · · · · ·
10.0 10.0	-
Response Time (/ 3pH dev) 3 5cc. Max acceptable response = 10 seconds.	- .
Chrome Destruct ph :	
Great Lakes pH Controller:	Š
Probe inspection Good / Cleane	<u>'</u>
Before Calibration 4.0 3.9	•
7.0 6.87	-
After Calibration 4.0 4.0	•
7.0 <u>7.0</u>	•
Response Time (/ 3pH dev) $33eC$. Max acceptable response = 10 seconds.	•
ORP-21 - Jenco ORP Transmitter :	
Probe inspection <u>Good/CleA</u>	\mathcal{J}_{-}
Before Calibration 4.0 (98mv) 100	
7.0 (268mv) <u>250</u>	
After Calibration 4.0 (98mv)	
7:0 (268mv)	

Pinal pH:

Honeywell Circular Chart Recorder: Walchem pH controller

Probe inspection

Before Calibration 7.0 6.98

10.0 9.8

After Calibration 4.0

7.0 2.0

10.0 10.0

Response Time (/ 3pH dev) 3sec.

Max acceptable response = 10 seconds.

Flow pen deviation +- 3apm

Honeywell Recorder 0 ph offset.

G SP

GENERAL SUPER PLATING CO., INC.

5762 CELI DRIVE EAST SYRACUSE, NEW YORK 13057 (315) 446-2264 FAX (315) 446-4419

June 17, 1996

John Fazzolari
County of Onondaga Department of
Drainage and Sanitation
650 Hiawatha Boulevard West
Svracuse, NY 13204-1194

Re: Follow-up to Telephone Conference (June 12, 1996)

Dear Mr. Fazzolari

The following is a follow-up to your phone conference with Jean Jodoin from our office on Wednesday, June 12, 1996:

During our quarterly sampling of Sewer #1 (our sanitary sewer), the continuous pH monitor recorded a pH exceedence. The exceedence, a pH of 5.2 Standard Units, occurred at approximately 3:00 a.m. on June 12,1996 and had a duration of less than 2 minutes. Enclosed is a copy of the section of the chart where the isolated incident occurred. The short duration of the exceedence could indicate a possible equipment malfunction or interference.

Please call if we can provide any further clarification.

Sincerely,

William "Woody" Southwell

VP/General Manager

c. J. Jodoin

D. Simmons

Sewer # 1 June 1 - h to June 12 th 1996
Time 3AM
PH 5.2 5 U.

Duration <2 minutes

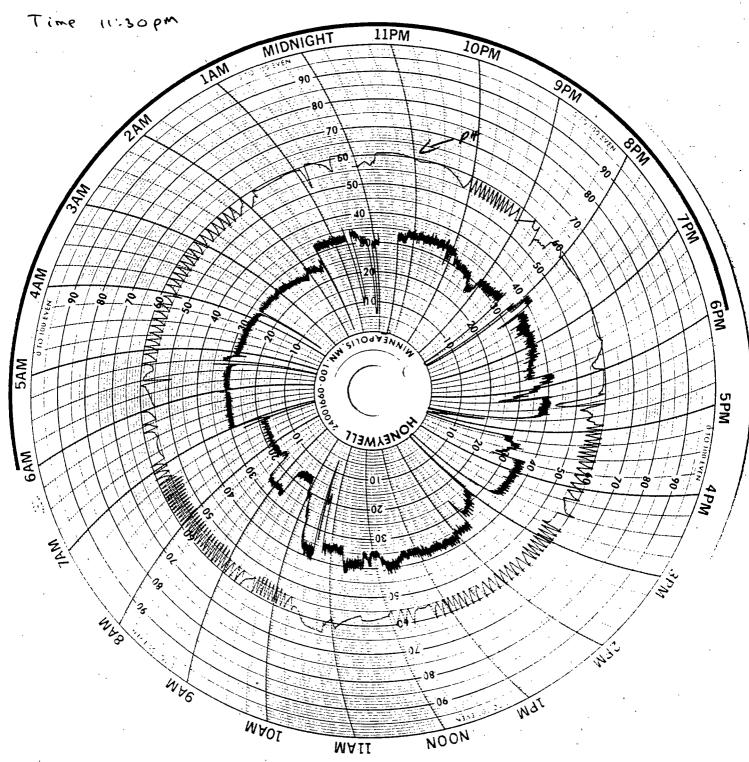
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Date 6/11/96

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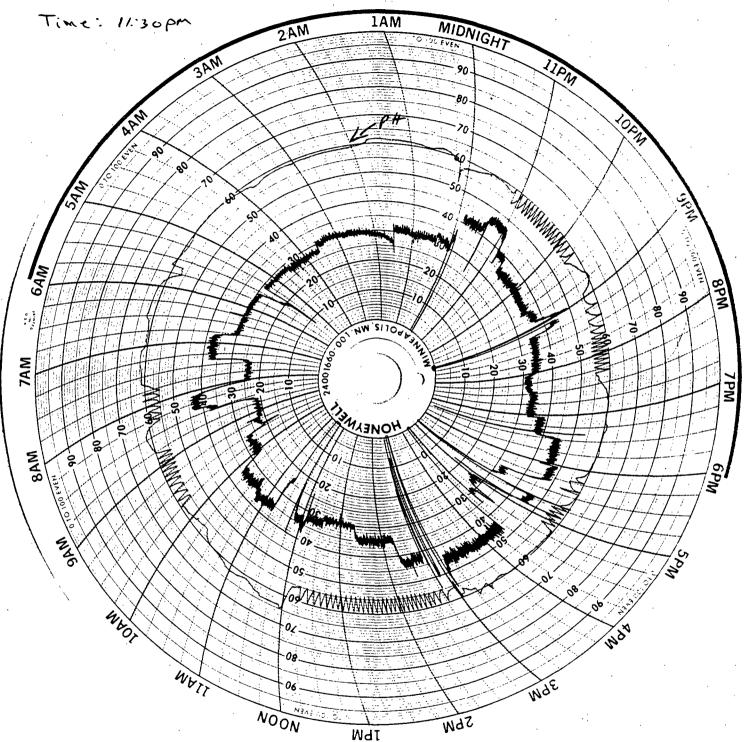
9.5-67.9

Inst. PH-8.5 S.U.



Scale 55-393 95-67.9

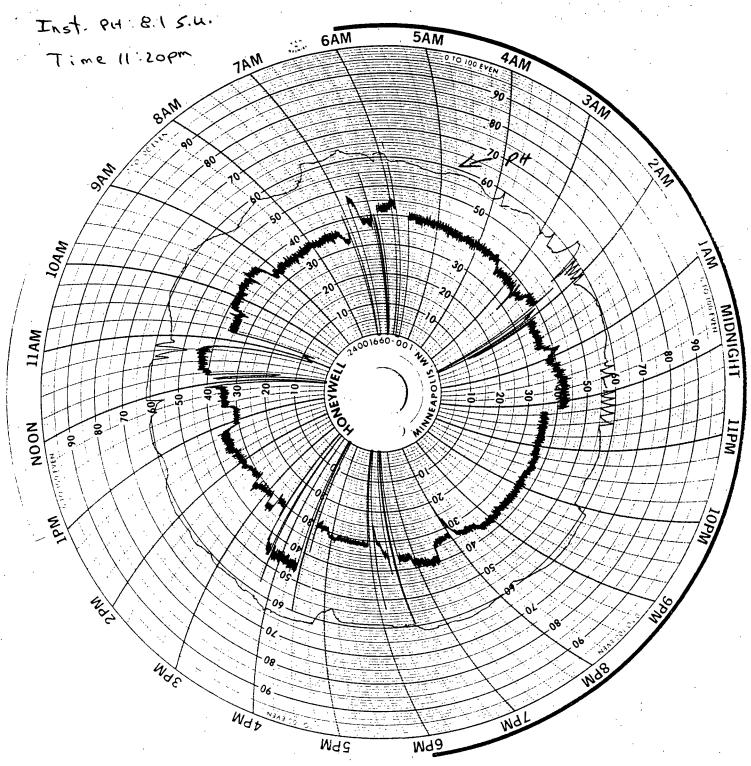
Inst PH: BB SU.



Date: 6/13/96

Scale: 5.5-39.3

9.5-67-9

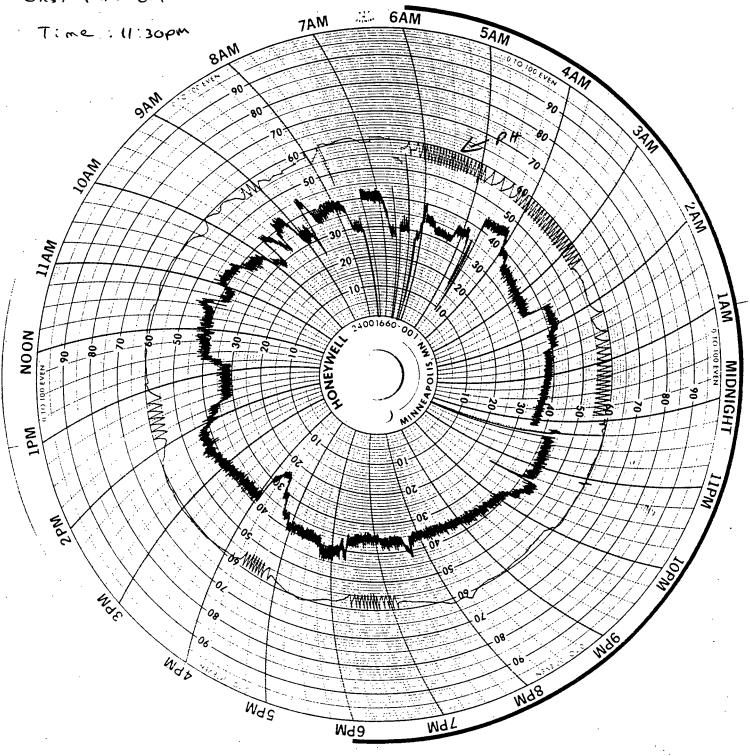


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Scale: 5.5 - 39.3

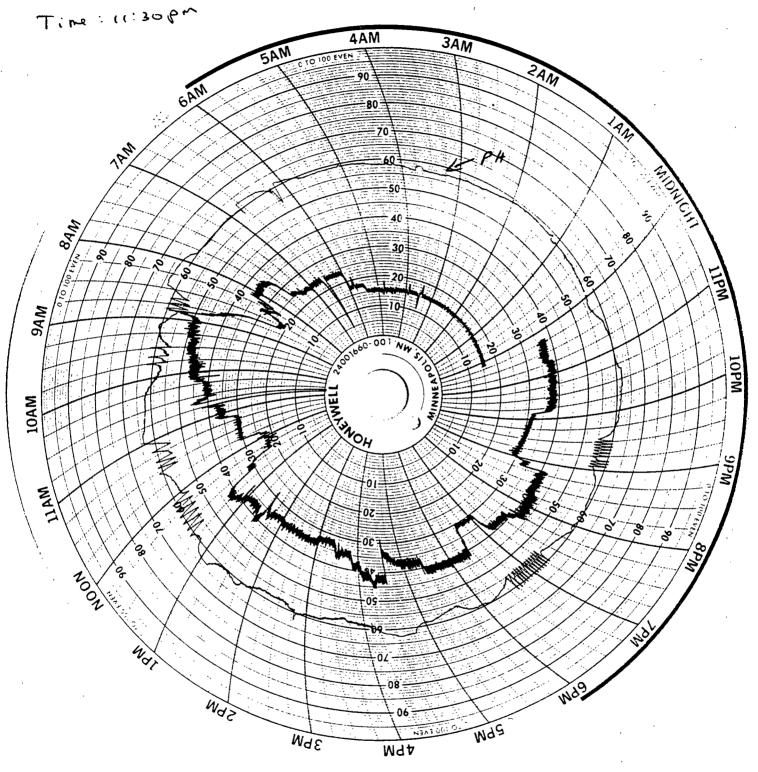
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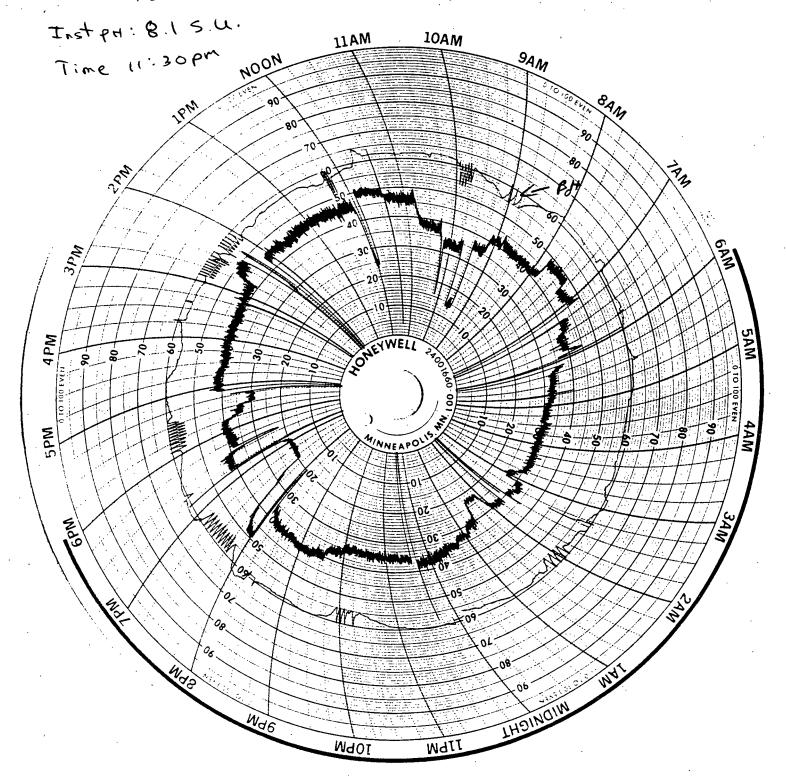


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Inst. PH - 8.3 S.W.

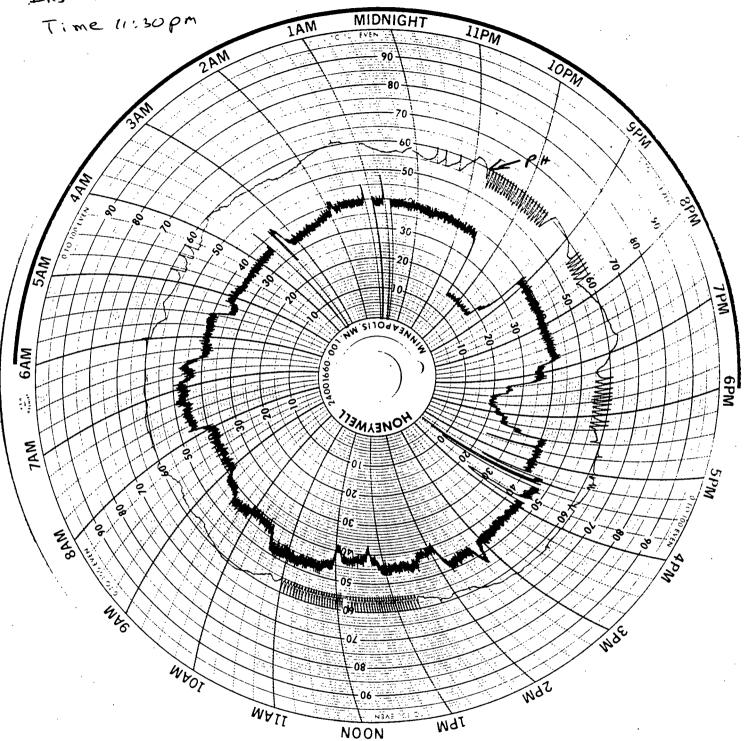


Date 6/25/96 Scale 5.5 - 39.3 9.5 - 67.9



Scale 5.5-39.3 9.5-67.9

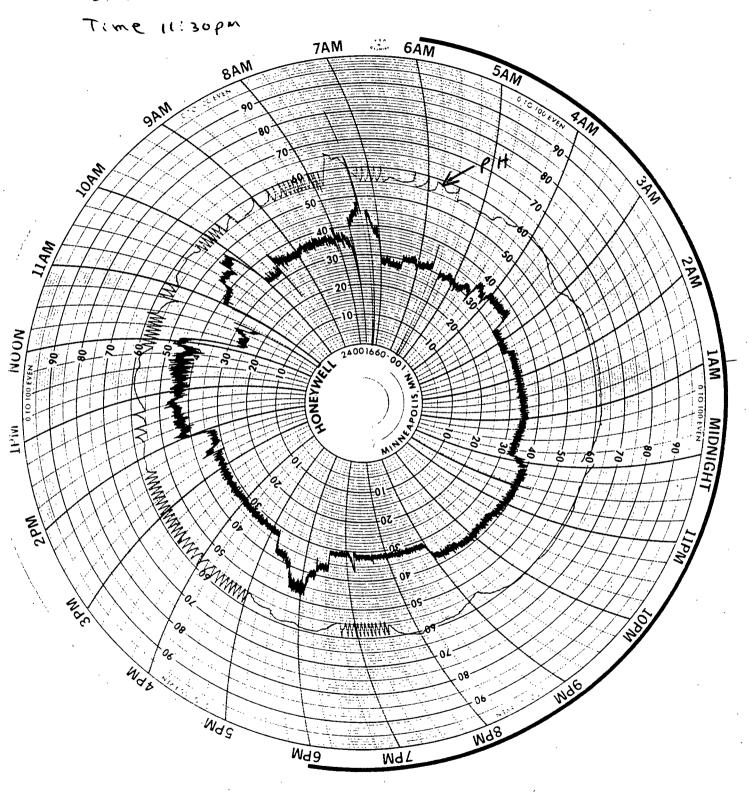
Inst PH 85 SU.



Date 6/27/96

Scalo 5.5-39.3 9.5-67.9

Inst. PH 8.5 Su.



Attachment 1

Quarterly Laboratory Analysis Reports from ULI

June 12 - 14 (Sewer 2)

June 25 - 28 (Sewer 1)

June 25 - 28 (Sewer 2)

Semi-Annual Laboratory Analysis Report from ULI (Sewer 2)

June 12



DEPARTMENT OF DRAINAGE AND SANITATION

650 HIAWATHA BOULEVARD, WEST SYRACUSE, NEW YORK 13204-1194 478-3755 - 425-2260

JOHN H. MULROY
COUNTY EXECUTIVE

JOHN M. KARANIK

ONONDAGA COUNTY INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NUMBER : 11	DATE ISSUED : January 1, 1988
INDUSTRIAL CODE: 129	EXPIRATION DATE: January 1, 1989
sic : 3471	
	01, of the Rules and Regulations Relating System issued by the County of Onondaga tion,
	Plating Company, Inc.
·	to discharge industrial wastewater from
6608 Joy Road Syracı	
ADDRESS OF COMPANY FACILITY	DISCHARGING WASTEWATER
to the <u>Metropolitan Syracuse Wast</u> NAME OF RECEI	ewater Treatment Facility VING TREATMENT PLANT
in accordance with the following c	·

I. PERMITTED WASTEWATER DISCHARGE

The permittee is authorized to discharge the following to the county sewer system:

- 1. Sanitary Wastewater
- 2. Shielding and Electroless Plating Process wastewater which has been treated to comply with pretreatment standards specified in this permit.

II. PROHIBITED DISCHARGES

The following shall not be introduced into the county system:

- (a) Wastes which create a fire or explosion hazard in the wastewater treatment plant.
- (b) Wastes which have a pH lower than 5.5 or higher than 9.5.
- (c) Solid or viscous wastes in amounts which would cause an obstruction to the flow in sewers, or other interferences with the proper operation of the wastewater treatment plant.
- (d) Wastes at a flow rate and/or pollutant discharge rate which is excessive over relatively short time periods creating a treatment process upset and subsequent loss of treatment efficiency.
- (e) Wastes which are prohibited in Article III of the Rules and Regulations.

III. EFFLUENT LIMITATIONS AND PRETREATMENT STANDARDS

The wastewater discharge of the permittee shall comply with the following effluent limitations and pretreatment standards. Section 3.08 of the Onondaga County Rules and Regulations requires the permittee to comply with USEPA pretreatment standards if they are more stringent than county effluent limitations.

(A) USEPA 40 CFR Part 433 Metal Finishing Pretreatment Standards for New Sources:

PARAMETERS	DISCHARGE LIMITATIONS	
	DAILY MAXIMUM (mg/l)	MAXIMUM MONTHLY AVERAGE (mg/l)
Cadmium (Cd)	0.11	0.07
Chromium (Cr)	2.77	1.71
Copper (Cu)	3.38	2.07
Lead (Pb)	0.69	0.43
Nickel (Ni)	3.98	2.38
Silver (Ag)	0.43	0.24
Zinc (Zn)	2.61	1.48
Cyanide, Total (CN-T)	1.20	0.65
Total Toxic Organics#	2.13	,

#Total toxic organics is defined by the County as Control Authority to be the sum of the following pollutants:

Methylene Chloride	Tetrachloroethylene
1,2 Dichloroethane	Freon
Chloroform	Carbon Tetrachloride
1,1,1 Trichloroethane	Benzene
1,1,2 Trichloroethane	Toluene
Trichloroethylene	Xylenes
	- •

III. EFFLUENT LIMITATIONS AND PRETREATMENT STANDARDS (continued)

(B) Onondaga County Effluent Limitations at the point of discharge to the County sewer system.

<u>PARAMETERS</u>	DISCHARGE INSTANTANEOUS (1) ALLOWABLE (mg/1)	LIMITATIONS DAILY (2) ALLOWABLE (mg/l)
Cadmium (Cd)	3.0	2.0
Chromium, Total (Cr)	12.0	8.0
Copper (Cu)	7.5	5.0
Cyanide, Total (CN-T)	3.0	2.0
Lead (Pb)	1.5	1.0
Nickel (Ni)	7.5	5.0
Silver (Ag)	1.5	1.0
Zinc (Zn)	7.5	5.0

- (1) As determined by a grab sample taken of the permittee discharge at any time during the daily operational and/or production period.
- (2) As determined by a composite sample taken of the permittee daily discharge over the operational and/or production period.

IV. NOTICE OF NON-COMPLIANCE

In the event the permittee is unable to comply with any effluent limitation or pretreatment standard specified in this permit due to:

- (1) Breakdown of industrial waste pretreatment equipment;
- (2) Accident caused by human error or negligence, mechanical failure; or,
- (3) Other causes, such as acts of nature;

the permittee shall notify the operator of the receiving treatment plant immediately by telephone (478-3755 between the hours of 8:00 am-4:30 pm and 425-3142 or 478-4856 between the hours of 4:30 pm-8:00 am) so the necessary steps can be taken to prevent damage to the wastewater treatment process and equipment. In accordance with Article IV, Section 4:10, of the Rules and Regulations, the Commissioner shall be notified in writing within five (5) days and shall be informed of the following pertinent information:

- Cause of noncompliance;
- (2) A description of the noncomplying discharge;
- (3) Anticipated time the condition of noncompliance is expected to continue, or if such condition has been corrected, the duration of the period of noncompliance;
- (4) Steps taken by the permittee to reduce and eliminate the noncomplying discharge; and,
- (5) Steps to be taken by the permittee to prevent recurrence of the condition of noncompliance.

Nothing in this permit shall be construed to relieve the permittee from the penalties for noncompliance with this permit pursuant to Article VII-Enforcement and Penalties of the Rules and Regulations Relating to the Use of the Public Sewer System.

V. CHANGE IN WASTEWATER DISCHARGE

All discharges authorized herein shall comply with the terms and conditions of this permit. Any industrial facility expansions, production increases or process modifications which result in new, different or increased discharges of pollutants must be reported by submission of a new industrial waste disposal questionnaire pursuant to Article IV, Section 4.02, of the Rules and Regulations. This permit may be modified to specify and limit any pollutants not previously limited. The discharges of any pollutant more frequently than, or at a level in excess of that specified and authorized by this permit, shall constitute a violation of the terms and conditions of this permit.

VI. COUNTY MONITORING

The monitoring of each industrial discharge and the recording of quantitative values shall be performed by authorized employees or representatives of the county according to schedules established by the Commissioner. Composite samples will be collected whenever possible over the production day including clean-up periods. The flow (in gallons per day) shall be measured during each sampling period. If flow measurement is not practicable, water use records may be substituted in place of flow measurement.

Additional sampling and flow measurement may be performed by the permittee using approved methods. The data obtained by the permittee may be used at the discretion of the Commissioner as supplemental data to show compliance with permit effluent limitations and pretreatment standards or to be used in addition to county data for computations of the Industrial Waste Surcharge.

All analyses shall be performed in accordance with approved USEPA analytical methods (40 CFR 136) as stated in the latest edition of the following references:

STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 16th Edition, 1985, American Public Health Association, New York, New York 10019.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, Environmental Monitoring and Support Laboratory, Office of Research and Development, March 1983, Environmental Protection Agency, Cincinnati, Ohio 45268.

The sampling schedule cited below shall become effective the day this permit is issued.

DISCHARGE LOCATION Sewer #1 Pretreatment	PARAMETERS Biochemical Oxygen Demand (BOD)	MINIMUM FREQUENCY OF ANALYSIS 16 times/year	TYPE OF <u>SAMPLE</u> Composite
Plant Outfall	Total Suspended Solids (TSS)	16 times/year	Composite
	Total Phosphorus (TP)	<pre>16 times/year</pre>	Composite
	PH	16 times/year	Composite
	Cadmium (Cd)	16 times/year	Composite
	Chromium (Cr)	<pre>16 times/year</pre>	Composite
	Copper (Cu)	16 times/year	Composite
÷	Total Cyanide (CN-T)	16 times/year	Composite
	Lead (Pb)	<pre>16 times/year</pre>	Composite
	Nickel (Ni)	16 times/year	Composite
	Silver (Ag)	16 times/year	Composite
	Zinc (Zn)	16 times/year	Composite
	Total Toxic Organics (TTO)	once/year	Grab

VII. PERMIT MODIFICATIONS

After sufficient notice to the permittee, this permit may be modified, suspended, or revoked in whole or part during its term for causes including, but not limited to, the following:

- (a) Violation of any terms or conditions of this permit.
- (b) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- (c) A toxic effluent standard being established under any state or federal law for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit.
- (d) Failure to make payments of the Industrial Waste Surcharge.

VIII. RIGHT OF ENTRY

The permittee shall allow duly authorized employees or representatives of the county to enter the permittee's premises for the purpose of inspection, observation, flow measurement, sampling and testing in accordance with Article IV, Section 4.08, of the Rules and Regulations.

IX TRANSFER OF OWNERSHIP CONTROL

In the event of any change in the ownership of the Industrial Facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Commissioner.

X. PRETREATMENT FACILITIES

The permittee shall provide and maintain, at its expense, pretreatment of industrial wastewaters when required by the Commissioner pursuant to Article IV, Section 4.09, of the Rules and Regulations. All reports, plans and/or specifications for new or modified pretreatment facilities or changes in method of operation must be approved by the Commissioner or his designee.

XI. WASTE MATERIAL DISPOSAL

Any screening, sludge, solids, waste oils, or other waste materials removed or separated from the permittee's authorized discharge shall be disposed of in such a manner as to prevent entry of such materials into navigable waters or into the wastewater treatment system. During the months of June and December of each year the following data regarding the disposal of pretreatment process sludge shall be reported to the County of Onondaga:

- (a) The source of materials to be disposed of.
- (b) The approximate volumes and weights.
- (c) The method by which they were removed and transported.
- (d) The company contracted to remove such materials.
- (e) The final disposal or recovery location.

XII. MONITORING FACILITIES

If, in the opinion of the Commissioner, there are inadequate provisions for the collection of representative samples and accurate flow measurements, the Commissioner can require, in accordance with Article IV, Section 4.07, of the Rules and Regulations, that a monitoring facility consisting of a sampling manhole with a flow measuring device be installed by the permittee at its expense. This monitoring facility shall be approved by the Commissioner before installation. The permittee shall be responsible for all maintenance of the sampling manhole and calibration of the monitoring equipment.

XIII. SCHEDULE OF COMPLIANCE

The permittee shall comply with the following schedule:

(a) By January 1, 1988 the permittee shall be in compliance with the County effluent limitations and USEPA 40 CFR Part 433 Metal Finishing Pretreatment Standards detailed on pages 3 and 4 of this permit.

Failure to meet this date may result in this office proceeding with the legal action necessary to ensure compliance including the assessment of fines and/or penalties prescribed in Article VII of the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System.

XIV. COMPUTATION AND PAYMENTS OF INDUSTRIAL WASTE SURCHARGE

The permittee shall pay its proportionate share of the cost of operation and maintenance and local debt retirement of the treatment system.

These charges shall be computed by the Commissioner using the formulae in Article V, Section 5.02, of the Onondaga County Rules and Regulations.

Payments shall be made to the County of Onondaga by the permittee no less often than annually.

If there is a substantial change in the wastewater characteristics and/or flow rate introduced into the County Treatment Plant by the permittee, the industrial surcharge shall be adjusted accordingly.

XV. PERMITTEE SELF-MONITORING AND REPORTING REQUIREMENTS

In accordance with 40 CFR 403.12(e), the permittee shall submit a Periodic Report to the county during the months of June and December of each year. Detailed herein are reporting requirements for the permittee subject to the Metal Finishing Pretreatment Standards (40 CFR Part 433). Failure to submit the Periodic Report shall subject the industrial user to the fines and penalties proscribed under Article VII of the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System. The permittee must submit a Periodic Report which shall comply with and include the following:

- 1. A listing of the nature and concentration of all regulated pollutants in the facility's regulated process waste streams.
 - a. Each sample must be analyzed for all regulated pollutants detailed under Section III on pages 3 and 4 of this permit.
 - b. The sampling and analytical data submitted shall consist of self-monitoring data for the regulated process waste stream.
 - c. Samples shall be collected for three (3) consecutive days typical of normal production.
 - d. Samples shall be collected in accordance with the methods outlined in the regulations. Note that the sample interval for composite samples must not exceed a frequency of one sample every thirty (30) minutes.
 - e. All analyses must be performed by a NYSDOH certified laboratory.
- 2. A summary of the daily flow rates for the regulated process waste streams including both the average and maximum flow rate for each sampling period.

XV. PERMITTEE SELF-MONITORING AND REPORTING REQUIREMENTS (continued)

- 3. A summary of the results of quarterly equipment calibration checks for the pH metering/recording device for each regulated process wastestream. The June Periodic Report shall contain March and June equipment calibration checks. The December Periodic Report shall contain the September and December equipment calibration checks.
- 4. A summary of the methods used by the permittee to sample and analyze the data and a certification that these methods conform to the outlined in the regulations.
- 5. A statement that compliance with all applicable standards is consistently achieved. If compliance is not consistently achieved, the report must include a statement as to what additional operation and maintenance and/or pretreatment equipment is necessary to achieve compliance.
- The report must include data on sampling and analysis for the toxic organic compounds listed in the federal regulations. If the permittee wishes to certify that the facility does not discharge toxic organics, an industrial toxic pollutant management plan must be approved by the Commissioner. The elements which must be addressed and submitted are detailed on page 11, Section XVI, of this permit.
- 7. The report must be signed by an authorized representative of the permittee.

GENERAL SUPER PLATING CO., INC.



22 CELI DRIVE EAST SYRACUSE, NEW YORK 13057 (315) 446-2264 FAX (315) 446-4419

November 25, 1992

Mr. Joseph Mastriano County of Onondaga Department of Drainage and Sanitation 650 Hiawatha Boulevard, West Syracuse, New York 13204-1194

Re: Monthly Self-Monotoring Report General Super Plating Company, Inc. Wastewater Discharge Permit #11 6606 Joy Road

Dear Mr. Mastriano:

Enclosed please find a completed Self-Monitoring Report for the month of October 1992 for our General Super Plating Company, Inc. facility located at 6606 Joy Road in East Syracuse, New York.

As required by the Onondaga County Department of Drainage and Sanitation, the completed report consist of the following items:

o Form A: Analytical Data for Sewer #1

o Form A1: Analytical Data for Sewer #3

o Form C : Water use Data for Sewer #1

o Form D: Water use Data for Sewer #3

o Form F : Equipment Calibration Summary

If you have any questions or comments on this report, please contact me at 446-2264.

Sincerely,

Rodney Campbell

Environmental Coordinator

G.S.P. (Joy Rd.) Co. Inc. Self Monitoring Report

Period Covere	ed: Octobe	er 1, 1992 th	rough Octobe	er 31, 1992	
				tted: November	25, 1992
				posite (Y/N):	
, 0	_	•		(Y/N): <u>Y</u>	
		•		nitoring Repor	
Do Analytical	Methods Co	nform to USEPA	Methodologies	(Y/N): <u>Y</u>	
				Methods for	-
-	of water	and waste wat	er 16th Ed.	• • •	
Weter Head	During Popo	orting Period (galle	one): 5	04.598	
		Meter Readin			
		imed but not Disc			
•				Boiler Make-Up:	
	Evapo	ration: $\frac{7,395}{}$		SPDES:	0
	Off-Sit	e Disposal:	Othe	r (specify): None	e
Number of Op	perating Days	3: 22	Numi	ber of Employees:	25
				//N): <u> </u>	
		onal sheets for ex	•		
, , , , , , , , , , , , , , , , , , ,	. ¯				
Certification:	"I cartify unde	er negality of law t	that this docume	ent and its attachn	nents were prepared
,					designed to assure
	_				ormation submitted.
	•	•	- -		n, or those persons
		•			n submitted is, to the
	• •	=	=		am aware that there
	"	-			the possibility of fine
	•	ment for knowing	-	, ,	
	•	•			
	Signat	ure of Preparer:	Kollnes	H Sinds	
	,	·		Campbell nental Coordinates	ator
	Title:		1114 TT OIII	.c.rcar coordana	~

Form A: Analytical Data for Sewer #1 (Process Wastewater)								
Parameter	Daily Effluent Limitation	Day 1 Date: October	Day 2 Date: October 6	Day 3 Date: October	Day 1 Date: October 19	Day 2 Date: October 20	Day 3 Date: October 21	Avg.
Cd (mg/l)	.11	.03	.07	.06_	.04	.03	.04	.05
Cr (mg/l)	2.77	.6	.6	.8	7	.6	.6	.65
Cu (mg/l)	3.38	1.1	1.3	1.4	1.0	1.4	.8	1.17
T-CN (mg/l)	1.20	.03	.04	.03	.03	.02	.03	.03
Pb (mg/l)	.69	.1	.1	.1	.1	.1	.1	.1 -
Ni (mg/l)	3.98	1.6	1.8	2.1	1.4	1.7	2.0	1.77
Ag (mg/l)	.43	.01	.02	.01	.01	.01	.02	.01
Zn (mg/l)	2.61	.02	.04	.05	.02	.02	.04	.03
pH (S.U.)	5.5 - 9.5	7.4	7.4	7.5	7.2	7.3	7.1	N/A
TTO's (mg/l)	2.13	N/A	N/A	N/A	N/A	N/A	N/A	N/A

^{**} Attach official independent laboratory (must be NYSDOH ceritified) results for the months of March, June, September and December as required in Section XV, Part 2 of Permit #11.

Form A1: Analytical Data for Sewer #3 (Segregated Groundwater)								
Parameter •	Daily Effluent Limitation	Day 1 Date:	Dáy 2 Date:	Day 3 Date:	Day 1 Date:	Day 2 Date:	Day 3 Date:	Avg.
		5	6	7	19	20 .	21	
Cr (mg/l)	2.77	.1	. 2	.1	.1	.1	.1	.12
Cu (mg/l)	3.38	.2	.2	.1	.1	.1	.1	.13

^{**} Attach official independent laboratory (must be NYSDOH ceritified) results for the months of March, June, September and December as required in Section XV, Part 2 of Permit #11.

F	orm C: Water Use Data for the	Month of OCTOBER	for Sewer #1
Date	Wastewater Discharged (gal)	#.of Production hours.	Avg Flowrate (gph)
1 ·	27,868	10	2,787
2	32,585	13	2,507
3	NO	PRODUCTION	
4	NO .	PRODUCTION	,
5	36,095	12	3,008
6	28,110	11	2,555
. 7	23,130	11	2,103
· 8	. 22,266	10	2,227
9	28,739	12	2,395
10	NO	PRODUCTION	
11	NO	PRODUCTION	
12	24,318	11	2,211
13	23,110	11	2,101
14	17,651	10	1,765
15	19,629	10	1,963
16	22,584	12	1,883
17	NO	PRODUCTION	
18	NO	PRODUCTION	
19	15,540	10	1,554
20	20,702	11	1,882
21	20,052	. 11	1,823
22	16,383	10	1,638
23	23,749	12	1,979
24	МО	PRODUCTION	
25	NO	PRODUCTION	
26	22,340	11	2,031
27	20,957	11	1,905
28	22,400	. 11	2,036
29	15,973	9	1,775
30	20,417	12	1,701
31	NO	PRODUCTION	·

F	orm D: Water Use Data for the	Month of OCTOBER	for Sewer #3
Date	Wastewater Discharged (gal)	# of Production hours	Avg Flowrate (gph)
1	3,000	2.5	1,200
2	3,000	2.5	1,200
3	3,000	2.5	1,200
4	NO	PRODUCTION	
5	3,000	2.5	1,200
6	3,600	3.0	1,200
7	900	1.0	900
8	NO	PRODUCTION	
9	NO	PRODUCTION	
10	NO	PRODUCTION	
11 ·	NO	PRODUCTION	
12	3,000	2.5	1,200
13	3,000	2.5	1,200
14	3,000	2.5	1,200
15	NO	PRODUCTION	
16	NO	PRODUCTION	, , , , , , , , , , , , , , , , , , , ,
17	NO	PRODUCTION	
18	NO	PRODUCTION	
19	3,000	2.5	1,200
20	3,000	2.5	1,200
21	3,000	2:5	1,200
22	NO	PRODUCTION	
23	NO	PRODUCTION	
24	NO	PRODUCTION	
25	NO	PRODUCTION	
26	3,000	2.5	1,200
27	3,000	2.5	1,200
28	3,000	2.5	1,200
29	NO	PRODUCTION	
30	NO	PRODUCTION	
31	NO	PRODUCTION	

Form F: Equipment Calibration Summary						
Instrument #/Description	Date of Calibration	Results (Including Drift)	Signature and Title of Representative			
pH N-1	10-1-92	7=6.9 4-10=3.9-9.8	Rodney J. Campbell Environmental Coordinator			
N-2	10-1-92	7=7.0 4-10=3.9-10.0	Rodney J. Campbell Environmental Coordinator			
Final	10-1-92	7=6.9 4-10=3.8-9.8	Rodney J. Campbell Environmental Coordinator			
Chrome	10-1-92	7=6.8 4-10=3.8-9.7	Rodney J. Campbell Environmental Coordinator			
-						
·						

GENERAL SUPER PLATING CO., INC.



22 CËLI DRIVE EAST SYRACUSE, NEW YORK 13057 (315) 446-2264 FAX (315) 446-4419

March 30, 1993

Mr. Joseph Mastriano County of Onondaga Department of Drainage and Sanitation 650 Hiawatha Boulevard, West Syracuse, New York 13204-1194

Re: Monthly Self-Monitoring Report
General Super Plating Cmpany, Inc.
Wastewater Discharge Permit #11
6606 Joy Road

Dear Mr. Mastriano:

Eclosed please find a completed Self-Monitoring Report for the month of February 1993 for our General Super Plating Company, Inc. facility located at 6606 Joy Road in East Syracuse, New York.

As required by the Onondaga County Department of Drainage and Sanitation, the completed report consist of the following items:

- o Form A: Analytical Data for Sewer #1
- o Form A1: Analytical Data for Sewer #3
- o Form C: Water use Data for Sewer #1
- Form D: Water use Data for Sewer #3
- o Form E: Waste Material Disposal Summary (with accompanying manifests)
- o Form F: Equipment Calbration Summary

If you have any questions or comments on this report, please contact me at 446-2264.

Sincerely,

Rodney Campbell

Environmental Coordinator

MEMBER

NATIONAL ASSOCIATION OF METAL FINISHERS

AMERICAN SOCIETY OF ELECTROPLATED PLASTICS. INC.

AMERICAN ELECTROPLATERS & SURFACE FINISHERS SOCIETY

G.S.P. (Joy Rd.) Co. Inc. Self Monitoring Report

Period Cover	red: Febru	ary 1, 1993	through Feb	ruary 28, 19	9'3
		1, 1993			
		Grab (Y/N):			
	•	Preservation Tec			
	•	Explain: See	Discharge M	onitoring Re	port
,					
Do Analytica	Methods Co	nform to USEPA	Methodologies	s (Y/N):Y	
	Explain: In	accordance wi	th Standard	Methods for	evaluation
			1 C		
	of water	r and waste w	ater 16th E	<u>a.</u>	· · · · · · · · · · · · · · · · · · ·
Water Usage	During Repo	rting Period (galle	ons):	350,644	
		Meter Re			
		med but not Disc	_		
		,		_ Boiler Make	-Up:
•		ration: <u>6,38</u>			
	•				_None
Number of C					ees:15
		Show Consisten			
		onal sheets for ex			
(11 140,		Julia Sulcets 101 02	Apidi Idiioi ij	,	
Certification:	under my dir that qualified Based on m directly respo best of my kn are significan	ection or supervision or supervision or supervision property of the property o	sion in accordaterly gather and persons who in the information of the	ance with a system of evaluate the manage the systion, the informate, and complete	achments were prepared tem designed to assure information submitted stem, or those persons ation submitted is, to the te. I am aware that there ding the possibility of fine
		ure of Preparer:	Rodney	_ <u>/amplill</u> J. Campbell	/
•	Title:		FUATION	mental Coord	LHATOF

Form A: Analytical Data for Sewer #1 (Process Wastewater)								
Parameter	Daily Effluent	Day 1 Date:	Day 2 Date:	Day 3 Date:	Day 1 Date:	Day 2 Date:	Day 3 Date:	Avg.
	Limitation	Feb.	Feb.	Feb.	Feb.	Feb.	Feb. 18	
Cd (mg/l)	.11	.05	.03	.06	.03	.03	.05	.04
Cr (mg/l)	2.77	.1	. 3	.3	. 2	1.1	.1	.35
Cu (mg/l)	3.38	. 4	.3	. 2	.1	1.3	.3	.43
T-CN (mg/l)	1.20	.03	.03	.04	.02	.03	.05	.03
Pb (mg/l)	.69	.1	.1	.1	.1	.1	.1	.1
Ni (mg/l)	3.98	.1	.1	.1	.9	1.3	.5	.5
Ag (mg/l)	.43	.02	.02	.01	.03	.01	02	.02
Zn (mg/l)	2.61	.01	.03	.03	.04	.02	.03	.03
pH (S.U.)	5.5 - 9.5	8.0	7.5	7.7	7.6	7.8	8.0	N/A
TTO's (mg/l)	2.13	N/A	N/A	N/A	N/A	N/A	N/A	N/A

^{**} Attach official independent laboratory (must be NYSDOH ceritified) results for the months of March, June, September and December as required in Section XV, Part 2 of Permit #11.

Form A1: Analytical Data for Sewer #3 (Segregated Groundwater)								
Parameter	Daily Effluent Limitation	Day 1 Date:	Day 2 Date:	Day 3 Date:	Day 1 Date:	Day 2 Date:	Day 3 Date:	Avg.
,		1	2	3	16	17	18	
Cr (mg/l)	2.77	./	, /	,1	.4	. 3	. 4	.25
Cu (mg/l)	3.38	,1	.1	, /	,4	1,0	,5	.37

^{**} Attach official independent laboratory (must be NYSDOH ceritified) results for the months of March, June, September and December as required in Section XV, Part 2 of Permit #11.

F	Form C: Water Use Data for the Month of February 1993 for Sewer #1						
Date	Wastewater Discharged (gal)	# of Production hours	Avg Flowrate (gph)				
1	17,142	9	1,905				
2	19,978	9	2,220				
3	18,098	9	2,011				
4	13,986	8	1,748				
5	22,133	12	1,844				
6	NO	PRODUCTION					
7	NO NO	. PRODUCTION					
8	19,524	9	2,169				
9	16,749	9	1,861				
10	18,549	9	2,061				
11	23,872	10	2,387				
12	16,318	9	1,813				
13	NO	PRODUCTION					
14	NO	PRODUCTION					
15	NO	PRODUCTION					
16	20,626	9	2,292				
17	20,270	9	2,252				
18	22,755	10	2,276				
19 ,	14,091	8	1,761				
20	NO	PRODUCTION					
21	NO NO	PRODUCTION					
22	19,387	9	2,154				
23	17,498	9	1,944				
24	11,681	8	1,460				
25	18,572	9	2,064				
26	19,415	9	2,157				
27	NO	PRODUCTION					
28	NO	PRODUCTION					
29	N/A						
30	N/A						
31	N/A						

Fo	Form D: Water Use Data for the Month of February 1993for Sewer #3						
Date	Wastewater Discharged (gal)	# of Production hours	Avg Flowrate (gph)				
1	1,620	1.5	1,080				
2	1,620	1.5	1,080				
. 3	1,620	1.5	1,080				
4	NO	PRODUCTION					
5	NO	PRODUCTION					
6	NO	PRODUCTION					
7	NO	PRODUCTION					
8	1,620	1.5	1,080				
9	1,620	1.5	1,080				
10	1,620	1.5	1,080				
11.	NO	PRODUCTION					
12	NO	PRODUCTION					
13	NO	PRODUCTION					
14	NO	PRODUCTION					
15	NO	PRODUCTION					
16	1,350	1.5	900				
17	1,350	1.5	900				
18	1,350	1.5	900				
19	NO	PRODUCTION					
20	NO	PRODUCTION	- %				
21	NO :	PRODUCTION	,				
22	1,620	1.5	1,080				
23	1,620	1.5	1,080				
24	1,620	. 1.5	1,080				
25	NO	PRODUCTION					
26	NO	PRODUCTION	·				
27	NO	PRODUCTION					
28	NO	PRODUCTION					
29	N/A						
30	N/A						
31	N/A						

Form E: Waste Material Disposal Summary (attach manifests where appropriate)						
Date	Waste Material	Quantity	Hazardous (Y/N)	USEPA/NY Classification	Method of Disposal and Carrier	
2/26/93	Hazardous Waste Solid,NA 9189	4	Y	F006	Recycler: J.B. Hunt Special Commodities	
		<u> </u>				
		·				

^{**} Attach USEPA Toxic Chemical Release Inventory Reporting Form R in July SMR as required in Section XV, Part 6 of Permit #11.

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

Burseu of Waste Management
P. G. Box 8550
Harrisburg, PA 17105-8550
OFFICIAL PENNSYLVANIA MANIFEST FORM

FOR SHIPMENT OF ZARDOUS, INFECTION
AND CHEMOTHERAPEUTIC WASTE.

FOR SHIPMENT OF ZARDOUS, INFECTION
AND CHEMOTHERAPEUTIC WASTE.

FOR SHIPMENT OF ZARDOUS, INFECTION
AND CHEMOTHERAPEUTIC WASTE.

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AND CHEMOTHERAPEUTIC WASTE.

FOR SHIPMENT OF ZARDOUS, INFECTION
AND CHEMOTHERAPEUTIC WASTE.

FOR SHIPMENT OF ZARDOUS, INFECTIO

	FORM HAZARDOUS 1. Generator's US EPA ID No. WASTE MANIFEST 1. Generator's US EPA ID No. 1. G	; of is not no but is n	equired by Federal law equired by State law.					
	3. Generator's Name and Mailing Address	A State Manifest Doc	ument Number					
	GENERAL SUPER PLATING CO., INC. 5606 JOY ROAD, EAST SYRACUSE, NY 13057 B. State Gen. ID							
	4. Generator's Phone (315) 446-2764	C. State Trans. ID	NCO III.					
	5. Transporter 1 Company Name 6. US EPA ID Number J.B. HUNT SPECIAL COMMODITIES IN F. R. D 9 3 1 9 0 3 5 5 1	РА- А Н	0 4 0 0					
	7. Transporter 2 Company Name 8. US EPA ID Number	D. Transporter's Phon E. State Trans. ID	, (800),363-8339 .					
	9. Designated Facility Name and Site Address 10. US EPA ID Number	PA-	1777 77 1 17					
	URC PROCESSING COMPANY (Recytling Facility)	F. Transporter's Phon	()					
	Jalnut Lane, RD\$5, Box 5553 Poctaville, Pa 17901 P A D 9 8 1 0 3 8 2 2 7	G. State Facility's ID. H. Facility's Phone (*	17, 622-4747					
	12. Conta		14. I. Unit Waste No.					
	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) No.	Type Quantity						
	RQ BAZARDOUS WASTE, SOLID, N.O.S., ORM-E, MA9189							
	(7006)	3 A 0 0 0	0 4 Y F O O 6					
3	b.							
4 2								
3	c.							
			·					
	d.							
	J. Additional Descriptions for Materials Listed Above Lab Pack Physical State Lab Pack Physical State	K. Handling Codes for T23/T59/T5Q	Wastes Listed Above					
		Ila Drying	.					
	b d 15. Special Handling Instructions and Additional Information	b.	d.					
	TYS HANDLING CODE -R							
	THERGENCY CONTACT #(315) 446-2264							
		•						
	CHEM-TREC 24 HOUR EMERGENCY RESPUNSE 1-800-424-9300		areas shreeten name and are					
	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accuration of the consignment are fully and accuration of the consignment are fully and according to a classified, packed, marked, and labeled and are in all respects in proper condition for transport by highway according to a	pplicable international and n	ry proper shipping frame and are liational government regulations.					
	If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste go practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me	enerated to the degree I have	ve determined to be economically and future threat to human health					
	and the environment: QR, if I am a small quantity generator, I have made a good lattit effort to minimize my waste year, available to me and that I can afford.	eration and select the best w						
	Printed/Typed Name Rodney J. Campbell Signature Signature Little	respl	0 2 2 5 9 3					
ř F	17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature	1.11	MONTH DAY YEAR					
A N S	VAN A 16/16/22 6/21/1/	11/12	1000					
O P	18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature	· · · · · · · · · · · · · · · · · · ·	MONTH DAY YEAR					
Ē	19. Discrepancy Indication Space T							
F	19. Discrepancy Indication Space E- Thould Kond - LAME		. •					
A C I	WT LISTED IN LAS FOR WRC RECORDS ACTUAL W	5375	LES.					
LI	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest exceeding Printed/Typed Name Signature	ept as noted in Item 19.	MONTH DAY YEAR					
T Y	Joseph W. MACKEY South W. VI	a him	102/27/93					

Form P. Equipmer Calibration Summary					
Instrument #/Description	Date of Calibration	Results (Including Drift)	Signature and Title of Representative		
CHROME	2/1/93	7 = 6.8 4 - 10 = 3.9 - 9.8	Rodney Campbell Environmental Coordinator		
N-1	2/1/93	7 = 6.7 4 - 10 = 3.6 - 9.7	Rodney Campbell Environmental Coordinator		
N-2	2/1/93	7 = 6.8 4 - 10 = 3.8 - 9.7	Rodney Campbell Environmental Coordinator		
FINAL	2/1/93	7 = 6.9 4 - 10 = 3.9 - 9.8	Rodney Campbell Environmental Coordinator		
			·		
			,		



DEPARTMENT OF DRAINAGE AND SANITATION

650 HIAWATHA BOULEVARD, WEST SYRACUSE, NEW YORK 13204-1194 478-3755 - 425-2260

JOHN M. KARANIK Commissioner

JOHN H. MULROY
COUNTY EXECUTIVE

ONONDAGA COUNTY INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NUMBER : 14	DATE ISSUED	:December 16, 1987
INDUSTRIAL CODE: 529	_ EXPIRATION DAT	E: <u>December 16, 1990</u>
sic : 3471	_	
Pursuant to Article IV, Section to the Use of the Public Sewer Department of Drainage and Sanit	System issued by the	Regulations Relating County of Onondaga
General Super Pla NA	ting Company (Joy Road ME OF COMPANY	-Adhesives)
is authorized by the Commission the industrial facility located	er to discharge indust at	rial wastewater from
6608 Joy Road East	Syracuse, New York	13057
ADDRESS OF COMPANY	FACILITY DISCHARGING WA	ASTEWATER
to the <u>Metropolitan Syracuse Was</u> NAME OF RECE	stewater Treatment Faci	lity
in accordance with the following	conditions:	

I. PERMITTED WASTEWATER DISCHARGE

The permittee is authorized to discharge the following to the county sewer system:

- 1. Sanitary Wastewater
- 2. Wastewater originating from dilute acid and Oaklite caustic cleaning line processes discharged at the Joy Road Adhesives plant (sewer #1). This wastewater must be pretreated to a pH between 5.5 and 9.5 standard units.

II. PROHIBITED DISCHARGES

The following shall not be introduced into the county system:

- (a) Wastes which create a fire or explosion hazard in the wastewater treatment plant.
- (b) Wastes which have a pH lower than 5.5 or higher than 9.5.
- (c) Solid or viscous wastes in amounts which would cause an obstruction to the flow in sewers, or other interferences with the proper operation of the wastewater treatment plant.
- (d) Wastes at a flow rate and/or pollutant discharge rate which is excessive over relatively short time periods creating a treatment process upset and subsequent loss of treatment efficiency.
- (e) Wastes which are prohibited in Article III of the Rules and Regulations.

III. EFFLUENT LIMITATIONS AND PRETREATMENT STANDARDS

The discharge of wastewater having a pH lower than 5.5 or higher than 9.5 is prohibited. The local effluent limitations are detailed in Article III of the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System. This section of the permit may be modified at any time to contain specified parameters and numeric effluent limitations due to any change in requirements of Section 307 of Public Law 92-500 or any other local, state, or federal standards. A timetable will be established in the schedule of compliance section of this permit allowing reasonable time to comply with any modifications made to this permit.

IV. NOTICE OF NON-COMPLIANCE

In the event the permittee is unable to comply with any effluent limitation or pretreatment standard specified in this permit due to:

- (1) Breakdown of industrial waste pretreatment equipment;
- (2) Accident caused by human error or negligence, mechanical failure; or,
- (3) Other causes, such as acts of nature;

the permittee shall notify the operator of the receiving treatment plant immediately by telephone (478-3755 between the hours of 8:00 am-4:30 pm and 425-3142 or 478-4856 between the hours of 4:30 pm-8:00 am) so the necessary steps can be taken to prevent damage to the wastewater treatment process and equipment. In accordance with Article IV, Section 4.10, of the Rules and Regulations, the Commissioner shall be notified in writing within five (5) days and shall be informed of the following pertinent information:

- (1) Cause of noncompliance;
- (2) A description of the noncomplying discharge;
- (3) Anticipated time the condition of noncompliance is expected to continue, or if such condition has been corrected, the duration of the period of noncompliance;
- (4) Steps taken by the permittee to reduce and eliminate the noncomplying discharge; and,
- (5) Steps to be taken by the permittee to prevent recurrence of the condition of noncompliance.

Nothing in this permit shall be construed to relieve the permittee from the penalties for noncompliance with this permit pursuant to Article VII Enforcement and Penalties of the Rules and Regulations Relating to the Use of the Public Sewer System.

V. CHANGE IN WASTEWATER DISCHARGE

All discharges authorized herein shall comply with the terms and conditions of this permit. Any industrial facility expansions, production increases or process modifications which result in new, different or increased discharges of pollutants must be reported by submission of a new industrial waste disposal questionnaire pursuant to Article IV, Section 4.02, of the Rules and Regulations. This permit may be modified to specify and limit any pollutants not previously limited. The discharges of any pollutant more frequently than, or at a level in excess of that specified and authorized by this permit, shall constitute a violation of the terms and conditions of this permit.

VI. COUNTY MONITORING

The monitoring of each industrial discharge and the recording of quantitative values shall be performed by authorized employees or representatives of the county according to schedules established by the Commissioner. Composite samples will be collected whenever possible over the production day including clean-up periods. The flow (in gallons per day) shall be measured during each sampling period. If flow measurement is not practicable, water use records may be substituted in place of flow measurement.

Additional sampling and flow measurement may be performed by the permittee using approved methods. The data obtained by the permittee may be used at the discretion of the Commissioner as supplemental data to show compliance with permit effluent limitations and pretreatment standards or to be used in addition to county data for computations of the Industrial Waste Surcharge.

All analyses shall be performed in accordance with approved USEPA analytical methods (40 CFR 136) as stated in the latest edition of the following references:

STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 16th Edition, 1985, American Public Health Association, New York, New York 10019.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, Environmental Monitoring and Support Laboratory, Office of Research and Development, March 1983, Environmental Protection Agency, Cincinnati, Ohio 45268.

The sampling schedule cited below shall become effective the day this permit is issued.

DISCHARGE LOCATION Sewer #1	<u>PARAMETERS</u> Biochemical Oxygen	MINIMUM FREQUENCY OF ANALYSIS 12 times/year	TYPE OF <u>SAMPLE</u> Composite
Joy Rd.	Demand (BOD)		
Adhesives Pla Effluent	nt Total Suspended Solids (TSS)	12 times/year	Composite
,	Total Phosphorus (TP)	12 times/year	Composite
	Hq	12 times/year	Composite
•	Chromium (Cr)	12 times/year	Composite
	Copper (Cu)	12 times/year	Composite
	Oil & Grease	12 times/year	Grab

VII. PERMIT MODIFICATIONS

After sufficient notice to the permittee, this permit may be modified, suspended, or revoked in whole or part during its term for causes including, but not limited to, the following:

- (a) Violation of any terms or conditions of this permit.
- (b) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- (c) A toxic effluent standard being established under any state or federal law for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit.
- (d) Failure to make payments of the Industrial Waste Surcharge.

VIII. RIGHT OF ENTRY

The permittee shall allow duly authorized employees or representatives of the county to enter the permittee's premises for the purpose of inspection, observation, flow measurement, sampling and testing in accordance with Article IV, Section 4.08, of the Rules and Regulations.

IX. TRANSFER OF OWNERSHIP CONTROL

In the event of any change in the ownership of the Industrial Facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Commissioner.

X. PRETREATMENT FACILITIES

The permittee shall provide and maintain, at its expense, pretreatment of industrial wastewaters when required by the Commissioner pursuant to Article IV, Section 4.09, of the Rules and Regulations. All reports, plans and/or specifications for new or modified pretreatment facilities or changes in method of operation must be approved by the Commissioner or his designee.

XI. WASTE MATERIAL DISPOSAL

Any screening, sludge, solids, waste oils, or other waste materials removed or separated from the permittee's authorized discharge shall be disposed of in such a manner as to prevent entry of such materials into navigable waters or into the wastewater treatment system. Upon the request of the Commissioner the following data shall be reported to the County of Onondaga:

- (a) The source of materials to be disposed of.
- (b) The approximate volumes and weights.
- (c) The method by which they were removed and transported.
- (d) The company contracted to remove such materials.
- (e) The final disposal or recovery location.

XII. MONITORING FACILITIES

If, in the opinion of the Commissioner, there are inadequate provisions for the collection of representative samples and accurate flow measurements, the Commissioner can require, in accordance with Article IV, Section 4.07, of the Rules and Regulations, that a monitoring facility consisting of a sampling manhole with a flow measuring device be installed by the permittee at its expense. This monitoring facility shall be approved by the Commissioner before installation. The permittee shall be responsible for all maintenance of the sampling manhole and calibration of the monitoring equipment.

XIII. SCHEDULE OF COMPLIANCE

The permittee shall comply with the following schedule:

- (a) Beginning January 1, 1988, the permittee shall maintain a weekly log of water consumption to be submitted in the periodic report as outlined on page 8 of this permit. The log should include date, time, initial and final meter reading, total daily usage and initials of operator taking the readings.
- (b) By February 1, 1988 the permittee shall install a continuous pH recording meter.
- (c) By February 1, 1988 the permittee shall be in compliance with the county pH limits as stated on page 3 in the Effluent Limitations and Pretreatment Standards section of this permit.

Failure to meet these dates may result in this office proceeding with the legal action necessary to ensure compliance including the assessment of fines and/or penalties prescribed in Article VII of the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System.

XIV. COMPUTATION AND PAYMENTS OF INDUSTRIAL WASTE SURCHARGE

The permittee shall pay its proportionate share of the cost of operation and maintenance and local debt retirement of the treatment system.

These charges shall be computed by the Commissioner using the formulae in Article V, Section 5.02, of the Onondaga County Rules and Regulations.

Payments shall be made to the County of Onondaga by the permittee no less often than annually.

If there is a substantial change in the wastewater characteristics and/or flow rate introduced into the County Treatment Plant by the permittee, the industrial surcharge shall be adjusted accordingly.

XV. PERMITTEE SELF-MONITORING AND REPORTING REQUIREMENTS

The permittee shall submit a Self-Monitoring Report during the months of June and December of each year. Failure to submit a Self-Monitoring Report is a violation of this permit. The Self-Monitoring Report shall comply with and include the following:

- 1. A summary of the average and maximum flow rates to be used in conjunction with the annual water usage data for the computation of the industrial waste surcharge.
- 2. A summary of pH violations for sewer #1 as determined via a review of the continuous pH recording meter for the entire periodic report self-monitoring period.
- 3. A summary of the results of quarterly equipment calibration checks for the pH metering/recording device for the regulated process wastestream. The June Self-Monitoring Report shall contain March and June equipment calibration checks. The December Self-Monitoring Report shall contain the September and December equipment calibration checks.
- 4. A statement that compliance with all applicable standards is consistently achieved. If compliance is not consistently achieved, the report must include a statement as to what additional operation and maintenance and/or pretreatment equipment is necessary to achieve compliance.
- 5. The report must be signed by an authorized representative of the permittee.

XVI. RECORD KEEPING

Records of all information resulting from self-monitoring activities shall be maintained for a minimum of three (3) years in accordance with 40 CFR 403.12(n). These records shall be available for inspection and copying by the Department of Drainage and Sanitation as the Control Authority.

XVII. AUTHORIZATION AND AGREEMENT

This permit and the authorization to discharge industrial wastewater into the public sewer system shall be legally binding upon the permittee. This permit shall expire three (3) years from the date of issuance. The permittee shall not discharge after the date of expiration. In order to receive a new permit and continued authorization to discharge wastewater to the public sewer system beyond the date of expiration, the permittee shall have paid all industrial waste surcharges owed to the County of Onondaga and submit an up-to-date industrial waste questionnaire and other information as required by the Commissioner no later than 120 days prior to the expiration date.

12/31/87	John Haran
DATE '	SIGNATURE
By the authority of	JOHN M. KARANIK
	COMMISSIONER

I hereby agree to comply with the terms, conditions and requirements of this permit.

First Mychietts	23 Dec 87
SIGNATURE OF PERMITTEE OR AUTHORIZED REPRESENTATIVE	DATE
HERBERT N. GERHARDT	PRES
PRINTED NAME OF PERSON SIGNING	ጥፐጥፒድ

COUNTY OF ONONDAGA DEPARTMENT OF DRAINAGE AND SANITATION

IN THE MATTER OF THE COMPLAINT

AGAINST

GENERAL SUPER PLATING CO., INC.

STIPULATION

Permittee,

Arising out of alleged violations of the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System.

WHEREAS, GENERAL SUPER PLATING CO., INC. has admitted to violating the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System; and

WHEREAS, on or about and between the months of July 1987 to January 1988, GENERAL SUPER PLATING CO., INC. disposed of industrial waste in violation of the aforesaid Rules and Regulations; and

WHEREAS, the ONONDAGA COUNTY DEPARTMENT OF URAINAGE AND SANITATION (the COUNTY) has by Local Law No. 3-1983 and more particularly by Sections 7.01 and 7.03 of the aforesaid Rules and Regulations, the authority to impose costs and civil penalties on the Permittee.

NOW, THEREFORE, it is agreed:

1. 1

- 1. That GENERAL SUPER PLATING CO., INC. shall pay to the UNCHDAGA COUNTY DEPARTMENT OF DRAINAGE AND SANITATION the sum of Thirteen Thousand Three Hundred Thirty Dollars and 80/100 cents (\$13,330.90) as reimbursement for costs incurred by the COUNTY from November 20, 1987 to March 31, 1988 for daily sampling and analysis of Permittee's wastewater discharges.
- 2. That commending April 1. 1988 and ending December 31. 1988, GENERAL SUPER PLATING CO., INC. will institute a self-monitoring program whereby on a biweekly basis Permitted Will sample its wastewater discharge on three consecutive days that are typical and representative of normal operating conditions.

page the

- 3. That commencing April 1, 1988 and ending July 31, 1988, all analysis of the biweekly samples will be performed by a laboratory certified by the New York State Department of Health. On or before August 14, 1988 the COUNTY must notify GENERAL SUPER PLATING CO., INC., in writing, whether future analysis of the samples must be performed by a certified laboratory or whether Fermittee can analyze said samples utilizing equipment owned and operated by Permittee.
- 4. That sampling will be for all parameters required by the Industrial Waste Discharge Permits issued to GENERAL SUPER PLATING CO., INC. by the ONONDAGA COUNTY DEPARTMENT OF DRAINAGE AND SANITATION. Excluded from the list of parameters to be analyzed for is total toxic organics (TTO) which is defined in the permits.
- 5. That commencing May 1, 1988 and ending December 31, 1988, GENERAL SUPER PLATING CO., INC. will transmit to the ONONDAGA COUNTY DEPARTMENT OF DRAINAGE AND SANITATION on a monthly basis written reports of the results of the self-monitoring activities described in paragraphs 2 through 4 above.
- 6. That calibration of equipment used by GENERAL SUPEK PLATING CO., INC. for analyzing samples pursuant to this STIPULATION and it's Industrial Wastewater Discharge Fermits be done on a quarterly basis.
- 7. That prior to January 1, 1989, the ONONDAGA COUNTY DEPARTMENT OF DRAINAGE AND SANITATION must notify GENERAL SUPER PLATING CO., INC., in writing of the self-monitoring and reporting procedures to be employed by Permittee during 1989.
- 8. That GENERAL SUPER PLATING CO., INC. will develop an employee training program dealing with emergency response to spills, equipment malfunction or failure and uncontrolled discharges. Said program must be submitted to the ONONDAGA COUNTY DEPARTMENT OF DRAINAGE AND SANITATION by June 15, 1988 for approval by the Commissioner of Drainage and Sanitation. Approval of the proposed training program shall not be unreasonably withheld. Appropriate current and future employees will be trained as soon as practicable. Notification procedures implemented for accidental releases or pretreatment system failure must reflect the requirements contained in the Permittee's discharge permits with respect to immediate verbal notification followed by a written report to the UNONDAGA COUNTY DEPARTMENT OF DRAINAGE AND SANITATION.

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- That nothing in this STIPULATION shall relieve GENERAL SUPER PLATING CO., INC. from its obligations pursuant to the Onondars County Rules and Regulations Relating to the Use of the Public Sewer System and all requirements contained in the Permittee's Industrial Wastewater Discharge Permits.
- 10. That the provisions of this STIPULATION apply to wastewater discharges from GENERAL, SUPER PLATING CO., INC. facilities located at Celi Drive and Joy Road.
- That payment of said sum and compliance with paragraphs 2 through 10 shall be in full and final satisfaction of any and all costs. Charges and penalties and/or expenses associated with the aforementioned violations. Failure to comply with all provisions of this STIPULATION will subject GENERAL SUPER PLATING CO., INC. to further enforcement actions pursuant to the Onondaga County Rules and Regulations Relating to the Use of the Public Sever System.

Sworn to before me this1988.

Notary Formura vozo

Notary Public, State of New York Qualified in Drone Co. No. 1844589

Sworn, to before me this day of May 19441819

_1988.

Notary Publi

JOHN M. KARANIK, Commissioner. Department of

Drainage and Sanitation County of Onondaga

GENERAL SUPER PLATING CO., INC.

COUNTY OF ONONDAGA <u>DEPARTMENT OF DRAINAGE AND SANITATION</u>

In The Matter of the Complaint against

STIPULATION

GENERAL SUPERPLATING CO., INC

Respondent

WHEREAS, General Superplating Co., Inc. (Respondent) owner of the Celi Drive and Joy Road facilities, is charged with violating the Onondaga County Rules and Regulations Relating to the Use of the Public Sewer System (Rules and Regulations);

WHEREAS, the Onondaga County Department of Drainage and Sanitation (the County) has by Local Law No. 3-1983 and, more particularly, by Section 7.01 and 7.03 of the aforesaid Rules and Regulations the authority to impose costs and civil penalties on the Respondent; and

WHEREAS, Respondent desires to settle and compromise the alleged violations in order to avoid costly and protracted litigation and without admitting nor denying violations; and

WHEREAS, General Superplating has challenged numerous of the alleged violations based on their interpretation of the Rules and Regulations, the permit terms, sampling methodologies and documentation; and

WHEREAS, General Superplating has submitted a Wastewater Treatment Evaluation Report dated June, 1994 to the County; and

WHEREAS, this Stipulation shall cover all violations occurring at Respondent's Joy Road and Celi Drive facilities that are known to the County during the period of 1988 to the date of execution of this agreement;

NOW, THEREFORE, it is agreed:

FIRST: The Respondent shall pay the sum of Forty-One Thousand Eight Hundred Dollars (\$41,800) to the County as a fine for alleged metal and pH violations.

SECOND: The Respondent shall pay the sum of Three Thousand Eight Hundred Dollars (\$3,800) to the County as a fine for alleged self-monitoring deficiencies.

THIRD: The Respondent shall pay the sum of Twelve Thousand Five Hundred Dollars (\$12,500) to the County as a fine for the alleged failure to notify the County of effluent limit violations pursuant to the terms of Respondent's Industrial Wastewater Discharge Permit.

FOURTH: The Respondent shall pay the sum of Thirty-Three Thousand Dollars (\$33,000) to the County as a fine for the alleged unpermitted shielding line discharge.

FIFTH: The Respondent shall pay the sum of Twenty-Two Thousand Eight Hundred and Sixteen Dollars (\$22,816) to the County as reimbursement for administrative costs.

SIXTH: Of the aggregate sum of One Hundred Thirteen Thousand Nine Hundred and Sixteen Dollars (\$113,916), the amount of Sixty-Six Thousand Four Hundred and Ten Dollars (\$66,410) shall be suspended in consideration of the Respondent's expenditures to implement the wastewater program enhancements as required by this stipulation. The amount of Forty-Seven Thousand Five Hundred and Six (\$47,506) shall be paid according to the terms in the attached Schedule A.

SEVENTH: The Respondent shall submit a draft plan to the County for approval no later that August 1, 1995 to establish operating capacities for the Lamella Gravity Settler using information from Lamella (Parkson Engineers) in conjunction with bench testing/settling tests results to determine the need for reducing solids loading/solids recirculating flow and/or installation of additional tankage for increased hydraulic detention time. The final approved plan must be submitted to the County no later than October 2, 1995. Said plan shall also evaluate the most current wastewater and solids management technologies for optimizing treatment processes such as alternative precipitants, and automated controls.

EIGHTH: The Respondent shall submit a draft plan to the County for approval no later than August 1, 1995, which standardizes and makes current all of Respondent's general (inhouse) laboratory and documentation procedures. The final approved plan must be submitted to the County no later than October 2, 1995.

NINTH: The Respondent shall submit a draft plan to the County for approval no later than September 1, 1995, which updates and makes current Respondent's Operation and Maintenance (O&M) Manual to include equipment, preventative maintenance check logs, and routine inventory of equipment conditions. The final approved plan must be submitted to the County by no later than November 1, 1995.

TENTH: By no later that November 1, 1995 the Respondent shall have installed a flow proportioning/flow monitoring system at Sewer #2. Respondent shall provide a sampling location which allows ready access to Sewer #2 Effluent without the assistance of a GSP employee. Plans for said system must be submitted to the County no later than September 1, 1995 and must be approved by the County prior to installation.

ELEVENTH: By no later than September 1, 1995 the Respondent shall provide documentation to the County for approval of plans for an enhanced operator training program which uses the updated O&M Manual as a resource. By December 1, 1995 the Respondent shall provide training by a third party, approved by the County, to Respondent's wastewater treatment operators.

TWELFTH: By no later than August 1, 1995 the Respondent shall submit a draft to the County for approval of a "Slug Control Discharge Plan." Said approved plan shall be

implemented by no later than September 1, 1995.

THIRTEENTH: By no later than September 1, 1995 the Respondent shall submit to the County for approval a draft plan for a Pollution Prevention Program including a review of current and innovative technology for recovery/reuse, water reduction, and replacement chemistries. This plan will include a review of pollution prevention efforts from 1988 to present. Said approved plan shall be implemented no later than November 1, 1995.

FOURTEENTH: By no later than October 2, 1995 the Respondent shall submit to the County for approval a draft Employee Training Program. Said program shall at a minimum, familiarize all employees with terms of the Respondent's Wastewater Discharge Permit, and the Slug Control Plan.

FIFTEENTH: Failure by the Respondent to comply with any requirement of this Stipulation shall require it to pay upon demand of the County subject to Respondent's defenses and right of administrative and/or judicial review consistent with applicable laws, rules and regulations, stipulated penalties as follows for the period of one year from the date of execution of this stipulation by Respondent:

NATURE OF VIOLATION	STIPULATED PENALTY PER VIOLATION	
PERMIT EXCEEDENCES FOR Heavy Metals		
One Magnitude over permit limits	\$300	
Two Magnitudes over permit limits	\$650	
Three Magnitudes over permit limits	\$1,000	
pH EXCEEDENCES	\$100	
UNPERMITTED DISCHARGES	\$100/Day	
MISSED COMPLIANCE/SUBMISSION DEADLINE	\$25/Day	
SMR DEFICIENCIES	\$100/DEFICIENCY Unless corrected within 15 days of receipt of Notice of Deficiency	

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SIXTEENTH: That the terms and conditions of this Stipulation may be delayed or modified: 1) upon written consent of the County, upon good cause shown, which consent shall not be unreasonably denied; or 2) if the Respondent, its consultants, or agents cannot comply with the terms of this Stipulation because of an Act of God, war, strike, or other condition as to which conduct on the part of the Respondent, its consultants or agents was not the proximate cause; provided, however, that the Respondent notifies the County within 24 hours by telephone and within 5 days in writing when it obtains knowledge of any such condition and requests an appropriate extension or modification of the provisions hereof.

SEVENTEENTH: That this Stipulation shall apply to, and be binding upon, the parties, their offices, agents, servants, employees, successors and assigns.

EIGHTEENTH: That nothing in this Stipulation shall relieve Respondent from its obligations pursuant to the Onondaga County Rules and Regulation Relating to the Use of the Public Sewer System and all requirements contained in the Respondent's Industrial Wastewater Discharge Permit nor hinder the County from seeking penalties for violations not addressed in this stipulation.

NINETEENTH: That payment of said sums and compliance with paragraphs FIRST through EIGHTEENTH shall be in full and final satisfaction of any and all costs, charges, penalties and/or expenses associated with any and all violations of the aforesaid Rules and Regulations by Respondent known to the County at the time of execution of this stipulation.

DATED: 🌣

John M. Karanik, Commissioner

Department of Drainage and

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Sánitation

Sworn to before me this 19th

day of Q_i

1995

Notary Public

MERLE H. PIRAMO
Notery Public of the State of N.Y.
Qual. in On. Co. No. 4905968
My Commission Exp. Sept. 21, 19_5

DATED: 👊

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Corporate Officer

General Superplating Co., Inc.

Sworn to before me this 30 day of

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Notary Public

DOREEN A. SIMMONS
Notary Public, the St. of New York
Qualified Onon. Co. No. 4698342
My Commission Exp. Mar. 30. 46.6

Schedule A

Payment of Penalty

Date	Amount	
July 1, 1995	\$11,876.50	
November 1, 1995	\$11,876.50	
April 1, 1996	\$11,876.50	
July 1, 1996	\$11,876.50	

Payment of fine should be made to:

Onondaga County Department of Drainage and Sanitation 650 Hiawatha Boulevard, West Syracuse, New York 13204-1194 Attention: David J. Frachetti

Response of GSP to Joint Request for Information.

EXHIBIT 13A-1

Summary of NOV/Exceedances 1988-1994

•		
DATE OF INCIDENT	PARAMETER/ REPORTED EXCEEDENCE/ PERMIT LIMIT (As presented by OCDDS)	NOV/DATE ISSUED
3/8/94	Ni 5.6/4.1 (cont.; Upstate)	
12/15/93	Ni 6.2/4.1 (County)	
10/30/93	Total Metals 16.59/10.5 (County) Ni 8.84/4.1 (County) Total Metals 104.88/10.5 (County) Ni 59.0/4.1 (County) Cu 11.4/4.5 (County) Cr 34.2/7.0 (County) Ni 100/4.1 (GSP) Cu 12.5/4.5 (GSP) Cr 10.6/7.0 (GSP) Ni 9.6/4.1 (GSP)	NOV - 11/24/93
10/27/93	Ni 14.4/7.5 (grab; County) Cu 12.6/7.5 (grab; County) Cr 17.7/12.0 (grab; County)	NOV - 11/24/93
10/18/93	Ni 4.61/4.1 (County)	NOV - 11/24/93
10/12/93	Total Metals 13.74/10.5 Ni 4.42/4.1 (County) Cr 7.38/7.0 (County)	NOV - 11/24/93
10/7/93	Total Metals 73.22/10.5 Cu 12.7/4.5 (County) Ni 17.2/4.1 (County) Cr 43/7.0 (County)	NOV - 11/24/93
9/30/93	Cr 7.79/7.0 (County) Total Metals 11.24/10.5	NOV - 11/24/93
9/27/93	Cr. 13.8/12.0 (grab; GSP) Ni 9.01/7.5 (grab; County) Cu 15.2/7.5 (grab; County) Cr 38.6/12.0 (grab; County)	NOV - 11/24/93
9/24 - 27/93 4 Day Ave.	Ni 5.36/2.6 (computation)	NOV - 11/24/93
9/26-29/93 4 Day Ave.	Ni. 3.98/2.6 (computation)	NOV - 11/24/93
9/25-28/93 4 Day Ave.	Ni 5.37/2.6 (computation) Cu 9.82/2.7	NOV - 11/24/93
9/26/93	Cu 33.5/4.5 (County) Total Metals 49.21/10.5 Ni 13.2/4/1 (County)	
9/25/93	Total Metals 11.93/10.5 Ni 6.36/4.1 (County)	

DATE OF INCIDENT	PARAMETER/ REPORTED EXCEEDENCE/ PERMIT LIMIT (As presented by OCDDS)	NOV/DATE ISSUED
9/23-26/93 4 Day Ave.	Ni 5.32/2.6 (computation)	
9/21/93	Total Metals 15.7/10.5 Ni 7.99/4.1 (County)	
. 9/8-11/93 4 Day Ave.	Ni 3.0/2.6 (computation)	
-9/10/93	Ni 15.2/7.5 (grab; County)	NOV - 11/24/93
7/21/93	Cr 15.7/12.0 (grab; County)	NON - 9/2/93
3/18/93	Ni 4.66/4.1 (comp.; GSP) Ni 5.0/4.1 (comp.; GSP) Ni 9.7/4.1 (comp.; GSP)	NON' - X
1/21/93	Ni 4.65/4.1 (grab; County)	NON 4/28/93
1/6/93	Ni 9.13/4.1 (comp.; County)	NON 4/28/93
10/21/92	Total Metals 12.81/10.5 (computation) Ni 14/4.1 (comp.; GSP)	
9/10-11/92	Ni 6.8/4.1 (comp.; Upstate)	· .
8/3/92	Ni > 4.1/4.1 (GSP - NO SAMPLE)	· ·
6/3/92	Ni 45.2/(56.0)/4.1 (comp.; GSP)	
1/6/92	Cu 5.70/4.5 (comp.; GSP)	
3/6/91	Ni 6.00/4.1 Total Metals 10.61/10.5	
3/11/91	Ni 4.60/4.1	
2/6/91	Pb .80/.60	
2/5/91	Pb .80/.60	
1/9/91	Cu 6.50 (7.50)/4.5 Ni 4.80 (5.80)/4.1 Cr 11.70 (19.00)/7.0 Total Metals 23.04/10.5	·
6/19/89	Cr 14.76/7.0 Total Metals 16.04/10.5	
10/18/89	Ni 5.20/4.1 Ni 4.30/4.1	·
10/3/89	. Cu 4.71/4.5	
5/4/89	Ni 4.23/4.1	•
3/3/89	Ni 4.32/4.1	

¹Notice of Non-Compliance.

DATE OF INCIDENT	PARAMETER/ REPORTED EXCEEDENCE/ PERMIT LIMIT (As presented by OCDDS)	NOV/DATE ISSUED
10/5-6/88	Cu 22:0/4.5 Ni 4.8/4.1 Total Metals 33.65/10.5	
9/15/88	Cr 8.52/7.0	
8/1/88	Cr 73.0/12.0	
6/22-23/88	Cu 9.6 (10.0)/4.5	

DATE	pH EXCURSIONS/ PERMIT LIMIT 5.9 -9.5
4/27/94	9.6 (County; grab)
3/8-9/94	> 9.5 (Upstate)
2/9/94	9.9 (County; grab)
12/20/93	4.7 (GSP)
11/18/93	9.6 (County; grab)
. 11/10/93	9.8 (County; grab)
10/22/93	9.9 (Upstate; composite)
3/18/93	9.8 (County; grab)
1/21/93	9.8 (County; grab)
7/29/92	9.9 (County; grab)
6/10/92	9.7 (GSP; in site)
9/5/91	9.9 (OCDDS; composite)
1/9/91	10.9 (Upstate; comp.)
12/6/89	9.7 (Upstate; comp.)
12/5/88	9.8 (Upstate; comp.)
8/18/88	10.0 (Upstate; comp.)
8/17/88	9.8 (Upstate; comp.)
6/23/88	9.9 (Upstate; comp.)

Note: Actual NOVs and related correspondence available upon request.